

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653adk

PASSWORD:
* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'HCAPLUS, BEILSTEIN' AT 09:11:49 ON 08 DEC
2004
FILE 'HCAPLUS' ENTERED AT 09:11:49 ON 08 DEC 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'BEILSTEIN' ENTERED AT 09:11:49 ON 08 DEC 2004
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COST IN U.S. DOLLARS SINCE FILE
TOTAL ENTRY

SESSION FULL ESTIMATED COST
464.52 245.32

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
TOTAL ENTRY

SESSION CA SUBSCRIBER PRICE
3.96 0.00

=> fil reg COST IN U.S. DOLLARS SINCE FILE
TOTAL ENTRY

SESSION FULL ESTIMATED COST
464.52 245.32

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
TOTAL ENTRY

SESSION CA SUBSCRIBER PRICE
3.96 0.00

FILE 'REGISTRY' ENTERED AT 09:11:55 ON 08 DEC 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file

provided by InfoChem.

STRUCTURE FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7
DICTIONARY FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7

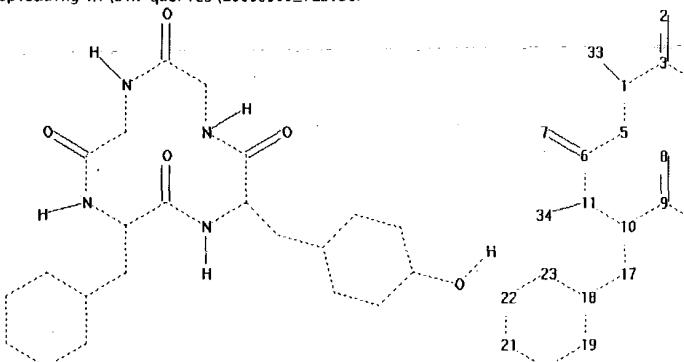
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for
details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> Uploading H:\STN queries\10068905_f1b.str



chain nodes :
2 7 8 16 17 24 31 32 33 34 35 36
ring nodes :
1 3 4 5 6 9 10 11 12 13 14 15 18 19 20 21 22 23 25
26 27 28 29 30
chain bonds :
1-33 2-3 6-7 8-9 10-17 11-34 12-32 13-16 14-24 15-31 17-18
24-25 28-35 35-36
ring bonds :
1-5 1-3 3-4 4-12 5-6 6-11 9-10 9-15 10-11 12-13 13-14 14-
15 18-19 18-23 19-20 20-21 21-22 22-23 25-26 25-30 26-27



Page 2-A

1

Page 2-B

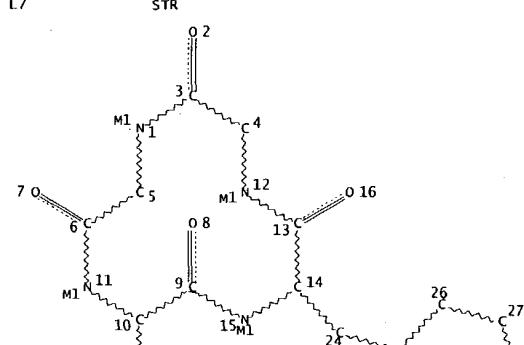
NODE ATTRIBUTES:
HCOUNT IS M1 AT 1
HCOUNT IS M1 AT 11
HCOUNT IS M1 AT 12
HCOUNT IS M1 AT 15
HCOUNT IS M1 AT 31
NSPEC IS R AT 1
NSPEC IS C AT 2
NSPEC IS R AT 3
NSPEC IS R AT 4
NSPEC IS R AT 5
NSPEC IS R AT 6
NSPEC IS C AT 7
NSPEC IS C AT 8
NSPEC IS R AT 9
NSPEC IS R AT 10
NSPEC IS R AT 11
NSPEC IS R AT 12
NSPEC IS R AT 13
NSPEC IS R AT 14
NSPEC IS R AT 15
NSPEC IS C AT 16
NSPEC IS C AT 17
NSPEC IS R AT 18
NSPEC IS R AT 19
NSPEC IS R AT 20
NSPEC IS R AT 21
NSPEC IS R AT 22
NSPEC IS R AT 23
NSPEC IS C AT 24
NSPEC IS R AT 25
NSPEC IS R AT 26
NSPEC IS R AT 27
NSPEC IS R AT 28
NSPEC IS R AT 29

27-28 28-29 29-30
exact/norm bonds :
1-5 1-3 2-3 4-12 5-6 6-7 6-11 8-9 9-10 9-15 10-11 10-
17 12-13 13-14 13-16 14-15 14-24 17-18 18-19 18-23 19-20
20-21 21-22 22-23 24-25 25-26 25-30 26-27 27-28 28-29 28-35
29-30 35-36
exact bonds :
1-33 11-34 12-32 15-31

Match level :
1:Atom 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS
9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom
16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom
23:Atom 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
30:Atom 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS

L7 STRUCTURE UPLOADED

=> d 17
L7 HAS NO ANSWERS
L7 STR



Page 1-A

NSPEC IS R AT 30
 NSPEC IS C AT 31
 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 2 7 8 16 17 24 31
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 31

STEREO ATTRIBUTES: NONE

=> s 17
 SAMPLE SEARCH INITIATED 09:12:36 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1982 TO ITERATE

50.5% PROCESSED 1000 ITERATIONS

0

ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00:00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 36970 TO 42310

0 TO 0

PROJECTED ANSWERS:

L8 0 SEA SSS SAM L7

=> s 17 ful

FULL SEARCH INITIATED 09:12:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 39894 TO ITERATE

100.0% PROCESSED 39894 ITERATIONS

6

ANSWERS

SEARCH TIME: 00:00.01

L9 6 SEA SSS FUL L7

=> file caplus
 COST IN U.S. DOLLARS

TOTAL SINCE FILE

ENTRY

SESSION
 FULL ESTIMATED COST
 620.39

155.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
 TOTAL SINCE FILE

ENTRY

SESSION
 CA SUBSCRIBER PRICE
 3.96

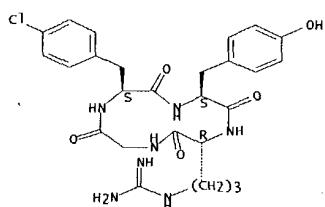
0.00

FILE 'CAPLUS' ENTERED AT 09:12:49 ON 08 DEC 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

TT, TZ, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, T3, TM, TN, TR,
 UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, T3, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG
 US 2003176329 A1 20030918 US 2002-68905
 20020207 EP 1481002 A1 20041201 EP 2003-737222
 20030205 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LT, LU, NL, SE,
 MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
 SK
 PRIORITY APPLN. INFO.: US 2002-68905 A
 20020207 WO 2003-CA148 W

20030205
 OTHER SOURCE(S): MARPAT 139:180347
 IT 565468-97-5P 565468-98-6P 573720-47-5P
 573720-48-6P 573720-49-7P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation);
 THU (Therapeutic use); BIOL (Biological study); PREP (Preparation);
 USES (Uses) (preparation of histogramin-like peptides and non-peptides)
 RN 565468-97-5 CAPLUS
 CN Cyclo(D-arginylglycyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



RN 565468-98-6 CAPLUS

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FILE COVERS 1907 - 8 Dec 2004 VOL 141 ISS 24

FILE LAST UPDATED: 6 Dec 2004 (20041206/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 19

L10 3 L9

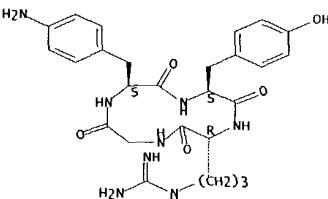
=> d 110 1-3 ibib hitstr

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003-633749 CAPLUS Full-text
 DOCUMENT NUMBER: 139:180347
 TITLE: Preparation of histogramin-like peptides and non-peptides
 INVENTOR(S): Lemaire, Simon; Bernatchez-Lemaire, Irma;
 Le, Hoang-Tanh
 PATENT ASSIGNEE(S): University of Ottawa, Can.
 SOURCE: PCT Int. Appl., 59 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO.
 DATE -----

 WO 2003066673 A1 20030814 WO 2003-CA148
 20030205 WO 2003066673 C1 20031204
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
 CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GR, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,
 OM, PH,

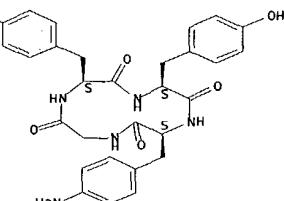
CN Cyclo(D-arginylglycyl-4-amino-L-phenylalanyl-L-tyrosyl) (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



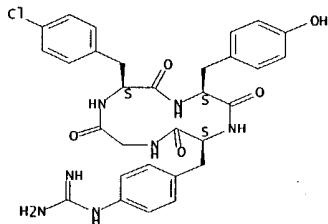
RN 573720-47-5 CAPLUS
 CN Cyclo(glycyl-4-chloro-L-phenylalanyl-L-tyrosyl-4-amino-L-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



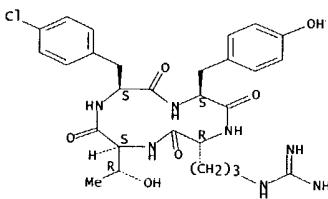
RN 573720-48-6 CAPLUS
 CN Cyclo(glycyl-4-chloro-L-phenylalanyl-L-tyrosyl-4-[(aminoiminoethyl)amino]-L-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



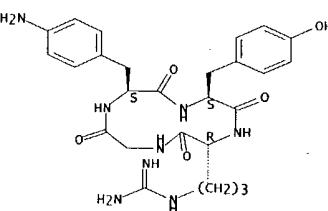
RN 573720-49-7 CAPLUS
 CN Cyclo(D-arginyl-L-threonyl-4-chloro-L-phenylalanyl-L-tyrosyl)
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



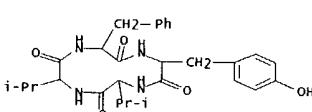
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:421338 CAPLUS Full-text
 DOCUMENT NUMBER: 139:133827
 TITLE: Bioactive Peptidic Analogues and
 Cyclostereoisomers of the Minimal Antinociceptive Histogranin
 Fragment (7-10)
 AUTHOR(S): Le, Hoang-Thanh; Lemaire, Irma B.; Gilbert,
 Annie-Kim;
 CORPORATE SOURCE: Jolicoeur, Francois; Lemaire, Simon
 Department of Cellular and Molecular



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1980:406071 CAPLUS Full-text
 DOCUMENT NUMBER: 93:6071
 TITLE: Gushing-inducing peptides in beer produced
 by
 AUTHOR(S): Penicillium chrysogenum
 Kitabatake, Katsuaki; Fukushima, Shuji;
 CORPORATE SOURCE: Ichiro; Amaha, Mikio
 Cent. Res. Lab., Asahi Brew. Ltd., Tokyo,
 143, Japan
 SOURCE: Peptide Chemistry (1980), Volume Date 1979,
 17th, 7-12
 DOCUMENT TYPE: CODEN: PECHDP; ISSN: 0388-3698
 LANGUAGE: Journal
 English
 IT 73787-51-6
 RL: BIOL (Biological study)
 (beer gushing induction by)
 RN 73787-51-6 CAPLUS
 CN Cyclo(D-phenylalanyl-L-tyrosyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)

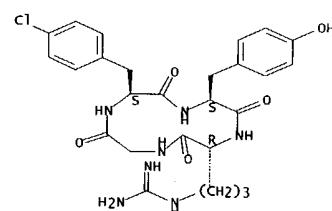


Medicine, Faculty

ON, K1H
 SOURCE: 46(14), 3094-3101
 PUBLISHER: JMCMAR; ISSN: 0022-2623
 DOCUMENT TYPE: American Chemical Society
 Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 139:133827
 IT 565468-97-5P 565468-98-6P
 RL: PAC (pharmacological activity); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation)
 (preparation and analgesic activity of cyclic peptide analogs
 of histogranin(7-10))

RN 565468-97-5 CAPLUS
 CN Cyclo(D-arginylglycyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



RN 565468-98-6 CAPLUS
 CN Cyclo(D-arginylglycyl-4-amino-L-phenylalanyl-L-tyrosyl) (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

=> DIS HIST

(FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004)
 FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004
 L1 6 S L1 SAM
 L2 147 S L1 FUL
 FILE 'HCAPLUS, BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004
 L4 96 S L3
 L5 96 DUP REM L4 (O DUPLICATES REMOVED)
 L6 64 L4 AND PD<20020207

FILE 'REGISTRY' ENTERED AT 09:11:55 ON 08 DEC 2004
 L7 0 S L7
 L8 6 S L7
 L9 6 S L7 FUL
 FILE 'CAPLUS' ENTERED AT 09:12:49 ON 08 DEC 2004
 L10 3 S L9

=>
 ---Logging off of STN---

=>
 Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE |
|--|------------|
| TOTAL | ENTRY |
| SESSION | |
| FULL ESTIMATED COST | 10.25 |
| 630.64 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE |
| TOTAL | ENTRY |
| SESSION | |
| CA SUBSCRIBER PRICE | 0.00 |
| 3.96 | |

STN INTERNATIONAL LOGOFF AT 09:13:25 ON 08 DEC 2004

NSPEC IS R AT 3
 NSPEC IS R AT 4
 NSPEC IS R AT 5
 NSPEC IS R AT 6
 NSPEC IS C AT 7
 NSPEC IS C AT 8
 NSPEC IS R AT 9
 NSPEC IS R AT 10
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 NSPEC IS C AT 17
 NSPEC IS R AT 18
 NSPEC IS R AT 19
 NSPEC IS R AT 20
 NSPEC IS R AT 21
 NSPEC IS R AT 22
 NSPEC IS R AT 23
 NSPEC IS C AT 24
 NSPEC IS R AT 25
 NSPEC IS R AT 26
 NSPEC IS R AT 27
 NSPEC IS R AT 28
 NSPEC IS R AT 29
 NSPEC IS R AT 30
 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 2 7 8 16 17 24
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RINGS(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

=> s 11 ful
 FULL SEARCH INITIATED 08:21:21 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 39894 TO ITERATE

100.0% PROCESSED 39894 ITERATIONS 147
 ANSWERS
 SEARCH TIME: 00.00.01

L3 147 SEA SSS FUL L1

=> file hcplus biel careact

'Biel' IS NOT A VALID FILE NAME

Enter 'HELP FILE NAMES' at an arrow prompt (>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter 'IGNORE' to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):biel

'CAREACT' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):bielstein

BIELSTEIN IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):bielstein

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

SESSION FULL ESTIMATED COST 219.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE

TOTAL ENTRY

SESSION CA SUBSCRIBER PRICE 3.96

FILE 'HCPLUS' ENTERED AT 08:22:09 ON 08 DEC 2004

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FILE 'BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004
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 Wissenschaften
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=> s 13
 L4 96 L3

=> dup rem 14
 DUPLICATE IS NOT AVAILABLE IN 'BEILSTEIN'.
 ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
 PROCESSING COMPLETED FOR L4
 L5 96 DUP REM L4 (0 DUPLICATES REMOVED)

=> 14 and pd<20020207
 L6 64 L4 AND PD<20020207

=> d 16 1-64 ibib hitstr

L6 ANSWER 1 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2004:212151 HCPLUS Full-text
 DOCUMENT NUMBER: 140:229431
 TITLE: Methods for the use of inhibitors of co-repressors for
 INVENTOR(S): the treatment of neoplastic diseases
 Evans, Ronald M.; Lin, Richard J.; Nagy, Laszlo

PATENT ASSIGNEE(S): The Salk Institute for Biological Studies,
 USA
 SOURCE: U.S., 35 pp., Cont.-in-part of U.S.
 6,387,673.

DOCUMENT TYPE: CODEN: USXXAM
 Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

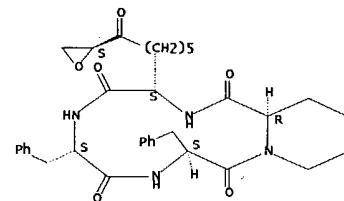
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|------|----------|-------------------------------|
| US 6706762 19971110 | B1 | 20040316 | US 1997-966876 |
| US 6387673 19970501 | B1 | 20020514 | US 1997-846881 |
| CA 2308377 19981110 --> WO 9923885 | AA | 19990520 | CA 1998-2308377 WO 9923885 |
| WO 9923885 19981110 --> | A1 | 19990520 | WO 1998-US23962 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, JP, KE, MN, MW, TM, TR, RU, TJ, TM DK, ES, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9913959 19981110 --> EP 1037533 19981110 --> R: CH, DE, FR, GB, LI PRIORITY APPLN. INFO.: 19970501 19971110 19981110 IT 133155-89-2 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (methods for the use of inhibitors of co-repressors for the treatment of neoplastic diseases) | | | |
| | | | AZ |
| | | | US 1997-966876 |
| | | | A |
| | | | WO 1998-US23962 |
| | | | W |

133155-89-2
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (methods for the use of inhibitors of co-repressors for the
 treatment
 of neoplastic diseases)

RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-

L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



REFERENCE COUNT: 95 THERE ARE 95 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L6 ANSWER 2 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:509378 HCPLUS Full-text
 DOCUMENT NUMBER: 140:52743
 TITLE: Hydroxamic acid analogs of naturally-

occurring cyclic

toxin and

AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-ya;

Nishino, Makiko; Yoshikawa, Daisuke; Shinta, Ryuzo;

Komatsu, Hidekazu; Tanaka, Yuji; Kato, Tamaki;

Ryohei; Yoshida, Yasuhiko; Nishiyama, Makoto; Furumai,

Minoru

CORPORATE SOURCE: Department of Applied Chemistry, Faculty of
 Engineering, Kyushu Institute of Technology,

Tobata,

Kitakyushu, 804-8550, Japan

SOURCE: Peptides 2000, Proceedings of the European

Symposium, 26th, Montpellier, France, Sept.

10-15,

2000 (2001), Meeting Date 2000, 41-42.

Editor(s): Martinez, Jean; Fehrentz, Jean-

Alain.

Editions EDK: Paris, Fr.

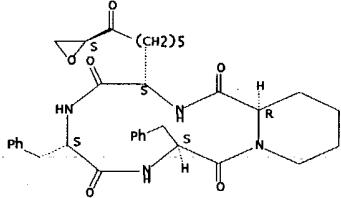
CODEN: 69EDWK; ISBN: 2-84254-048-4

Conference

DOCUMENT TYPE:

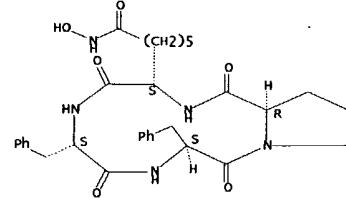
LANGUAGE: English
 IT 133155-89-2, Trapoxin a
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (hydroxamic acid analogs of naturally-occurring cyclic
 tetrapeptides,
 trapoxin, WF-3161, cyl-1, HC-toxin and chlamydocin inhibit
 histone
 deacetylases)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



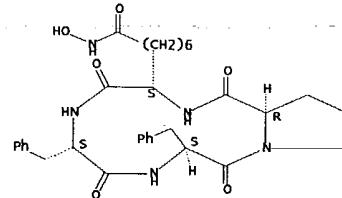
IT 221186-39-6P 221186-42-1P 221186-43-2P
 331836-53-4P
 RL: PAC (Pharmacological activity); PRP (Properties); SPN
 (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study);
 PREP (Preparation); USES (uses)
 (hydroxamic acid analogs of naturally-occurring cyclic
 tetrapeptides,
 trapoxin, WF-3161, cyl-1, HC-toxin and chlamydocin inhibit
 histone
 deacetylases)
 RN 221186-39-6 HCPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-
 phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



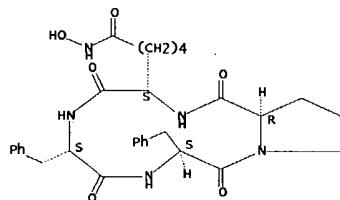
RN 221186-42-1 HCPLUS
 CN Cyclo[(2s)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-
 phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



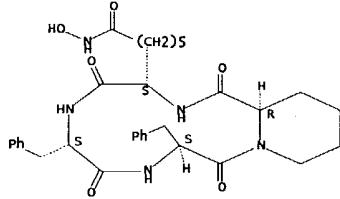
RN 221186-43-2 HCPLUS
 CN Cyclo[(2s)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-
 phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 331836-53-4 HCPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-
 phenylalanyl-L-
 phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



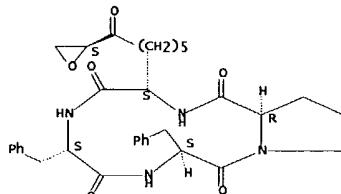
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

SOURCE: Kitakyushu, 804-8550, Japan
 Proceedings of the Peptides: The Wave of the Future,
 American Second International and the Seventeenth
 States, June Peptide Symposium, San Diego, CA, United
 Peptide 9-14, 2001 (2001), 528-529. Editor(s):
 Society: San Diego, Calif. Lebl, Michal; Houghten, Richard A. American
 Conference CODEN: 69DBAL; ISBN: 0-9715560-0-8
 LANGUAGE: English

IT 133155-90-5P, Trapoxin b, hydroxamic acid analogs
 221186-39-6P 221186-56-7P 221186-58-9P
 221186-62-5P 527705-77-7P 527705-82-4P
 527705-87-9P 527705-90-4P 527705-94-8P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation)
 (analogs of trapoxin, cyl-1, and chlamydocin for MHC class-I
 mol. up-regulation)

RN 133155-90-5 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

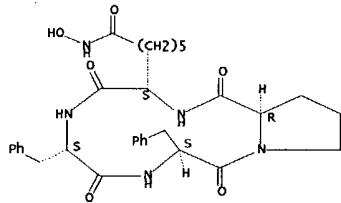
Absolute stereochemistry.



RN 221186-39-6 HCPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-
 phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

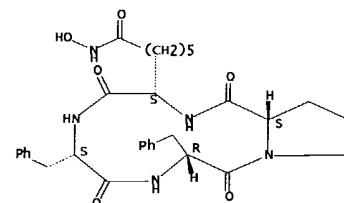
Absolute stereochemistry.

L6 ANSWER 3 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:692467 HCPLUS Full-text
 DOCUMENT NUMBER: 138:385700
 TITLE: Design of analogs of trapoxin, cyl-1, and
 chlamydocin
 AUTHOR(s): Nishino, Norikazu; Kato, Tamaki; Komatsu,
 Yasuhiko; Yoshida, Minoru
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of
 Engineering, Kyushu Institute of Technology,



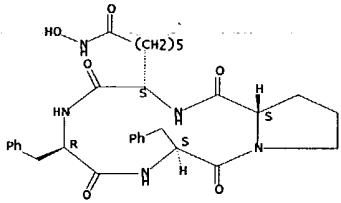
RN 221186-56-7 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-10-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



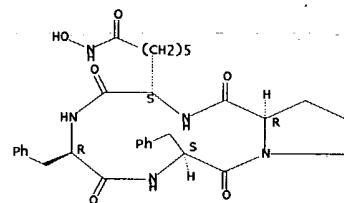
RN 221186-62-5 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-10-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



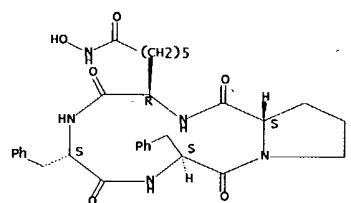
RN 221186-58-9 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-L-prolyl-10-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



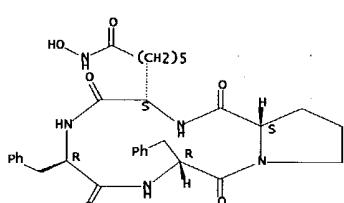
RN 527705-77-7 HCAPLUS
 CN Cyclo[(2R)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-L-prolyl-10-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



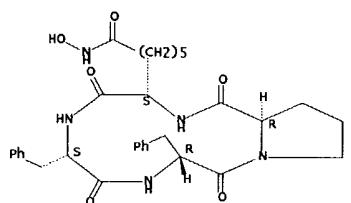
RN 527705-82-4 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-L-prolyl-10-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



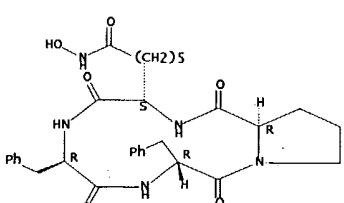
RN 527705-90-4 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-D-prolyl-10-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



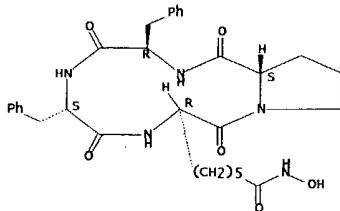
RN 527705-87-9 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-D-prolyl-10-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



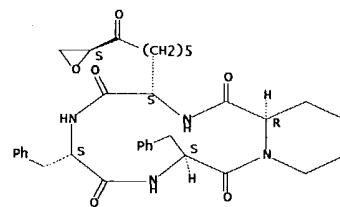
RN 527705-94-8 HCAPLUS
 CN Cyclo[(2R)-2-amino-8-(hydroxyamino)-8-oxo-10-phenyl-10H-thiophen-10-yl-D-prolyl-10-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



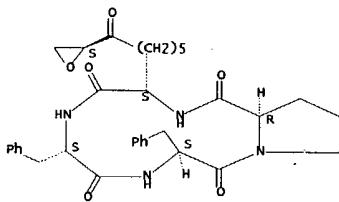
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:333908 HCPLUS Full-text
DOCUMENT NUMBER: 137:180617
TITLE: Inhibition of histone deacetylases induces
bovine
vivo
AUTHOR(S): Merezak, C.; Reichert, M.; van Lint, C.;
Kerkhofs, P.;
CORPORATE SOURCE: Portetelle, D.; Willem, L.; Kettmann, R.
Agronomy, Gembloux, Belg.
SOURCE: Journal of Virology (2002), 76(10),
5034-5042
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: CODEN: JOVIAM; ISSN: 0022-538X
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BSU (biological study, unclassified); BIOL (biological study)
and (TPX; inhibition of histone deacetylases by Trichostatin A and trapoxin induces BLV expression in vitro and in vivo)
RN 133155-89-2 HCPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.



REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

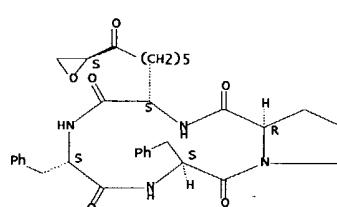
L6 ANSWER 5 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:102736 HCPLUS Full-text
DOCUMENT NUMBER: 137:28815
TITLE: Molecular cloning and characterization of a novel histone deacetylase HDAC10
AUTHOR(S): Guardiola, Amaris R.; Yao, Tso-Pang
CORPORATE SOURCE: Department of Pharmacology and Cancer Biology, Duke University Medical Center, Durham, NC,
27710, USA
SOURCE: Journal of Biological Chemistry (2002), 277(5), 3350-3356
PUBLISHER: American Society for Biochemistry and
Molecular Biology
DOCUMENT TYPE: CODEN: JBCHA3; ISSN: 0021-9258
LANGUAGE: English
IT 133155-90-5, Trapoxin B
RL: BSU (biological study, unclassified); BIOL (biological study)
(HDAC10 activity is resistant to inhibitor; mol. cloning and characterization of a novel histone deacetylase HDAC10)
RN 133155-90-5 HCPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:42906 HCPLUS Full-text
DOCUMENT NUMBER: 136:263005
TITLE: Inhibitors of Human Histone Deacetylase: Synthesis and Chain
AUTHOR(S): Remiszewski, Stacy W.; Sambucetti, Lidia C.; Atadja, Peter; Bair, Kenneth W.; Cornell, Wendy D.; Green, Michael A.; Howell, Koborn Lulu; Jung, Paul; Trogani, Nancy; Walker, Heather
CORPORATE SOURCE: Oncology Research and Core Technology, Novartis Institute for Biomedical Research, Summit, NJ,
SOURCE: 07901-1398, USA
Journal of Medicinal Chemistry (2002), 45(4), 753-757
PUBLISHER: American Chemical Society
DOCUMENT TYPE: CODEN: JMCMAR; ISSN: 0022-2623
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:263005
IT 133155-90-5, Trapoxin B
RL: BSU (biological study, unclassified); PAC (pharmacological activity); BIOL (biological study)
(preparation, antitumor, p21 promoter, human histone deacetylase inhibitor, and antiproliferative activity of trichostatin A and suberoylanilide)

RN 133155-90-5 HCPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

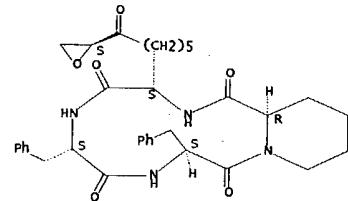
L6 ANSWER 7 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:30994 HCPLUS Full-text
DOCUMENT NUMBER: 136:79800
TITLE: Valproic acid and derivatives thereof as histone
INVENTOR(S): Groner, Bernd; Gottlicher, Martin; Heinzel, Thorsten; Herrlich, Peter
PATENT ASSIGNEE(S): Chemotherapeutisches Forschungsinstitut Georg-Speyer-Haus, Germany
SOURCE: Eur. Pat. Appl., 25 pp.
DOCUMENT TYPE: CODEN: EPXXDW
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: English
PATENT INFORMATION: 1

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|------|----------|-----------------|
| EP 1170008 | A1 | 20020109 | EP 2000-114088 |
| 20000707 <-- | | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LT, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | |

CA 2414967
 20010705 <-- AA 20020131 CA 2001-2414967
 WO 2002007722 A2 20020131 WO 2001-EP7704
 20010705 <--
 WO 2002007722 A3 20020718
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
 CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE,
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
 US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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 TR, BF, B3, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1301184 A2 20030416 EP 2001-962831
 20010705 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
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 20010705 US 2004087652 A1 20040506 US 2003-332353
 20030811 PRIORITY APPLN. INFO.: EP 2000-114088 A
 20000707 WO 2001-EP7704 W

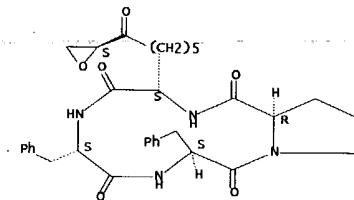
20010705 OTHER SOURCE(S): MARPAT 136:79800
 IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
 RL: PAC (pharmacological activity); BIOL (biological study)
 (valproic acid and derivs. as histone deacetylase inhibitors,
 and therapeutic use)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

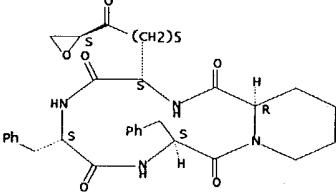


REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 8 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:864080 HCPLUS Full-text
 DOCUMENT NUMBER: 136:144662
 TITLE: Synthesis of 7200 Small Molecules Based on a
 Substructural Analysis of the Histone
 Deacetylase
 AUTHOR(S): Inhibitors Trichostatin and Trapoxin
 Grozinger, Sternson, Scott M.; Wong, Jason C.;
 CORPORATE SOURCE: Christina M.; Schreiber, Stuart L.
 Howard Hughes Medical Institute Institute of

chemistry
 chemical
 02138, USA
 SOURCE: and Cell Biology Department of Chemistry
 Biology, Harvard University, Cambridge, MA,
 Organic Letters (2001), 3(26), 4239-4242
 CODEN: ORLEF7; ISSN: 1523-7060
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-89-2
 RL: PAC (pharmacological activity); BIOL (biological study)
 (synthesis of 7200 small mols. based on a substructural anal.
 of histone deacetylase inhibitors trichostatin and trapoxin)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

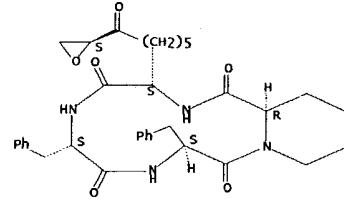


REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 9 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:587623 HCPLUS Full-text
 DOCUMENT NUMBER: 135:298184
 TITLE: Structure, histone deacetylase, and
 antiprotozoal
 activities of apicidins B and C, congeners
 of apicidin
 with proline and valine substitutions
 AUTHOR(S): Singh, Sheo B.; Zink, Deborah L.; Liesch,
 Jerrold M.; Dombrowski, Anne W.; Darkin-Rattray, Sandra
 Schmatz, Dennis M.; Goetz, Michael A.

CORPORATE SOURCE: Merck Research Laboratories RY80Y-355,
 Rahway, NJ,
 SOURCE: 07065, USA
 Organic Letters (2001), 3(18), 2815-2818
 PUBLISHER: CODEN: ORLEF7; ISSN: 1523-7060
 DOCUMENT TYPE: American Chemical Society
 LANGUAGE: Journal
 English
 IT 133155-89-2, Trapoxin A
 RL: BSU (biological study, unclassified); BIOL (biological
 study)
 (antiprotozoal structure activities of apicidins B and C,
 congeners of
 apicidin with proline and valine substitutions)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

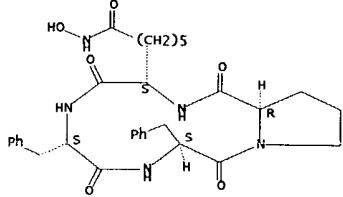
L6 ANSWER 10 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:431009 HCPLUS Full-text
 DOCUMENT NUMBER: 135:251418
 TITLE: Cyclic hydroxamic-acid-containing peptide
 31, a potent
 antitumor
 activity
 AUTHOR(S): Komatsu, Yasuhiko; Tomizaki, Kin-Ya;
 Tsukamoto, Sato, Shigeo;
 Makiko; Kato, Tamaki; Nishino, Norikazu;
 Ryohei; Yamori, Takao; Tsuruo, Takashi; Furumai,

Hayashi, Hideya
CORPORATE SOURCE:
Laboratory, Japan

Yoshida, Minoru; Horinouchi, Sueharu;
Pharmaceuticals and Biotechnology
Energy Corporation, Saitama, 335-8502, Japan
Cancer Research (2001), 61(11), 4459-4466
CODEN: CNREAB; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 221186-6 221186-42-1 221186-43-2
221186-56-7 221186-57-8 221186-58-9
221186-62-5 331836-53-4 362055-32-1
362055-33-2

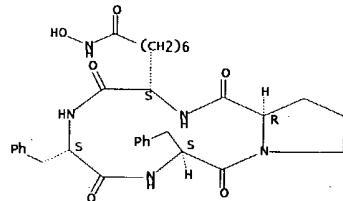
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(structure activity studies on cyclic hydroxamic-acid-containing peptide as potent synthetic histone deacetylase inhibitor with antitumor activity)
RN 221186-39-6 HCPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



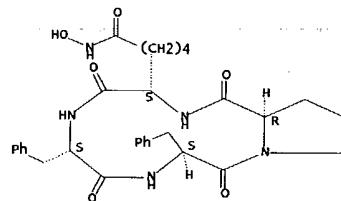
RN 221186-42-1 HCPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



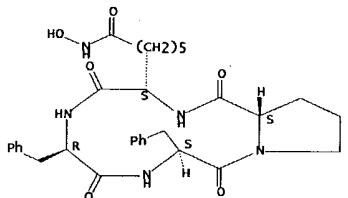
RN 221186-43-2 HCPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



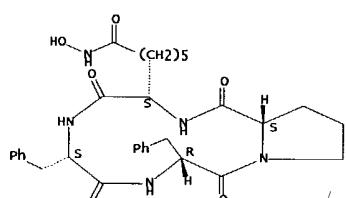
RN 221186-56-7 HCPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxoheptanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



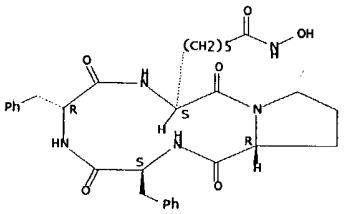
RN 221186-57-8 HCPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxoheptanoyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



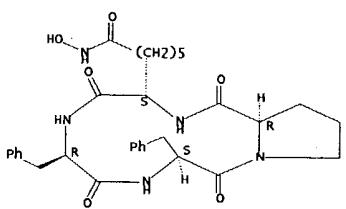
RN 221186-62-5 HCPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxoheptanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



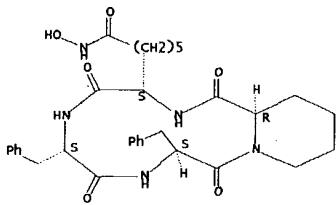
RN 221186-58-9 HCPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxoheptanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



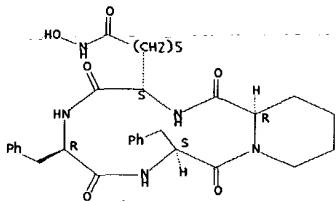
RN 331836-53-4 HCPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



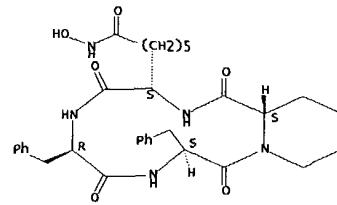
RN 362055-32-1 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 362055-33-2 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-(2S)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

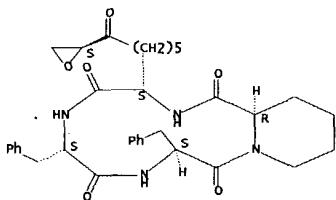
Absolute stereochemistry.



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 11 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:394968 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:205090
 TITLE: Proteasome- and p38-dependent regulation of ERK3
 AUTHOR(S): Grossenbacher, Zimmermann, Johann; Lamerant, Nathalie;
 Rita; Furst, Peter
 CORPORATE SOURCE: Oncology Research, Novartis Pharma AG, Basel, CH-4002, Switz.
 SOURCE: Journal of Biological Chemistry (2001), 276(14), 10759-10766
 PUBLISHER: American Society for Biochemistry and Molecular Biology
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-89-2, Trapoxin A
 RL: B5U (Biological study, unclassified); BIOL (Biological study) (proteasome- and p38-dependent regulation of ERK3 expression induced by proteasome inhibitors)
 RN 133155-89-2 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

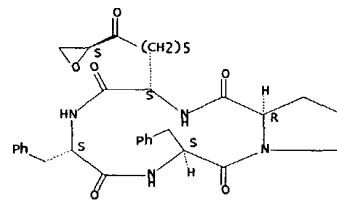
Absolute stereochemistry.



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 12 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:381216 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:131735
 TITLE: 3-(4-Aroyl-1H-pyrrol-2-yl)-N-hydroxy-2-propanamides, a new class of synthetic histone deacetylase inhibitors
 AUTHOR(S): Massa, Silvio; Mai, Antonello; Sbardella, Gianluca; Esposito, Monica; Ragni, Rino; Loidl, Peter; Brosch, Gerald
 CORPORATE SOURCE: Dipartimento Farmaco Chimico Tecnologico, Universita degli Studi di Siena, Siena, 53100, Italy
 SOURCE: Journal of Medicinal Chemistry (2001), 44(13), 2069-2072
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-90-5, Trapoxin B
 RL: B5U (Biological study, unclassified); BIOL (Biological study) (structure-based drug design of synthetic histone deacetylase inhibitors)
 RN 133155-90-5 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



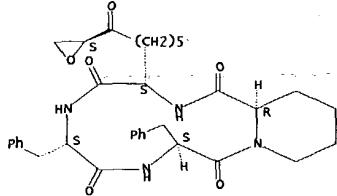
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 13 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:185559 HCAPLUS Full-text
 DOCUMENT NUMBER: 134:232667
 TITLE: Therapeutic modulation of gene expression by modulating histone acetylation and transcription
 INVENTOR(S): Montminy, Marc R.
 PATENT ASSIGNEE(S): Salk Institute of Biological Studies, USA
 SOURCE: PCT Int. Appl., 46 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| DATE | PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|--|-------|----------|-----------------|
| ----- | ----- | ----- | ----- | ----- |
| 20000901 <-- | WO 2001017514 | A1 | 20010315 | WO 2000-US24211 |
| CH, CN, GM, HR, LS, LT, RO, RU, UZ, VN, | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, | | | |

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
 BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 PRIORITY APPLN. INFO.: US 1999-390516 A1
 19990903
 IT 133155-89-2D, Trapoxin A, derivs.
 RL: BAC (biological activity or effector, except adverse); BSU
 (Biological study, unclassified); THU (therapeutic use); BIOL (Biological study); USES
 (uses)
 (in therapeutic regulation of gene expression through histone acetylation; therapeutic modulation of gene expression by modulating histone acetylation and transcription factor phosphorylation)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(αS, 2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:47667 HCPLUS Full_text
 DOCUMENT NUMBER: 134:260861
 TITLE: Potent histone deacetylase inhibitors built from trichostatin A and cyclic tetrapeptide including trapoxin
 from antibiotics
 AUTHOR(S): Furumai, Ryohei; Komatsu, Yasuhiko; Nishino, Norikazu;
 Horinouchi, Sueharu
 CORPORATE SOURCE: Department of Biotechnology, The University

of Tokyo,

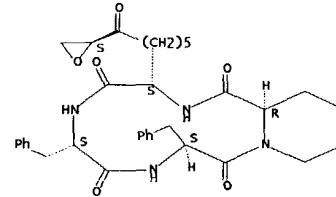
SOURCE: Tokyo, 113-8657, Japan
 Sciences of the United States of America (2001), 98(1), 87-92

PUBLISHER: Proceedings of the National Academy of Sciences
 DOCUMENT TYPE: National Academy of Sciences
 LANGUAGE: English
 IT 133155-89-2 133155-90-5 221186-43-2 221186-50-1
 221186-42-1 221186-43-2 221186-50-1
 221186-85-2 331836-53-4

RL: BAC (biological activity or effector, except adverse); BSU
 (Biological study, unclassified); THU (therapeutic use); BIOL (Biological study); USES
 (uses)
 (potent histone deacetylase inhibitors built from trichostatin A and cyclic tetrapeptide antibiotics including trapoxin)

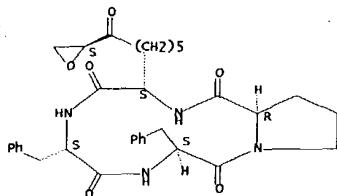
RN 133155-89-2 HCPLUS
 CN Cyclo[(αS, 2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



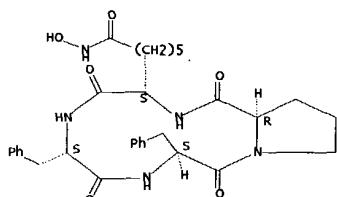
RN 133155-90-5 HCPLUS
 CN Cyclo[(αS, 2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



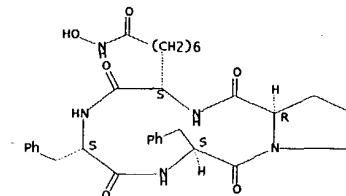
RN 221186-39-6 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



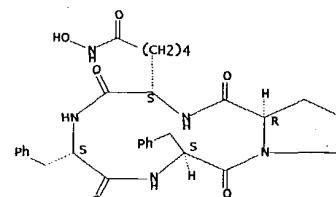
RN 221186-42-1 HCPLUS
 CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



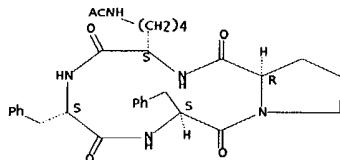
RN 221186-43-2 HCPLUS
 CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



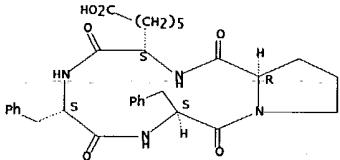
RN 221186-50-1 HCPLUS
 CN Cyclo[(N6-acetyl-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



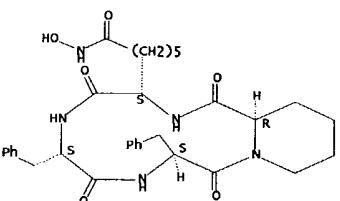
RN 221186-85-2 HCPLUS
 CN Cyclo[(2S)-2-amino-7-carboxyheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 331836-53-4 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:
 AVAILABLE FOR THIS

47 THERE ARE 47 CITED REFERENCES

RECORD. ALL CITATIONS AVAILABLE IN THE

L6 ANSWER 15 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:845477 HCPLUS Full-text
 DOCUMENT NUMBER: 134:129399
 TITLE: Up-regulation of costimulatory/adhesion
 molecules by

myeloid histone deacetylase inhibitors in acute

leukemia cells
 AUTHOR(S): Maeda, Takahiro; Towatari, Masayuki; Kosugi, Hiroshi;

CORPORATE SOURCE: Saito, Hidehiko
 Nagoya First Department of Internal Medicine,

university school of Medicine, Nagoya, 466-

8550, Japan SOURCE: Blood (2000), 96(12), 3847-3856

PUBLISHER: CODEN: BLOOW; ISSN: 0006-4971

DOCUMENT TYPE: American Society of Hematology

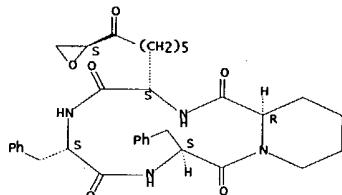
Journal LANGUAGE: English

IT 133155-89-2, Trapoxin A
 RL: BAC (biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process) (up-regulation of costimulatory/adhesion mols. by histone deacetylase inhibitors in acute myeloid leukemia cells)

RN 133155-89-2 HCPLUS

CN Cyclo[(2S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:
 AVAILABLE FOR THIS 59 THERE ARE 59 CITED REFERENCES
 RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 16 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:820950 HCPLUS Full-text
 DOCUMENT NUMBER: 134:360851
 TITLE: Chemical inducers for morphological
 reversion of

AUTHOR(S): Sonoda, Hikaru; Omi, Kazuo
 CORPORATE SOURCE: Diagnostics Science Division, Shionogi
 Research

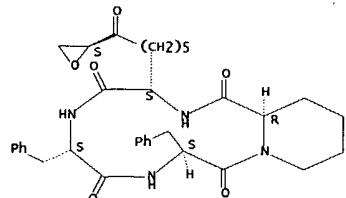
Laboratories, Shionogi and Co., Ltd., Osaka, 553-0002,

SOURCE: Japan Shionogi Kenkyusho Nenpo (2000), 50, 1-18
 PUBLISHER: CODEN: SKNEA7; ISSN: 0559-8680
 DOCUMENT TYPE: shionogi Seiyaku K.K., Chuo Kenkyusho
 LANGUAGE: Journal; General Review English

IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (morphol. reversion of oncogenically transformed NIH3T3 cells by)

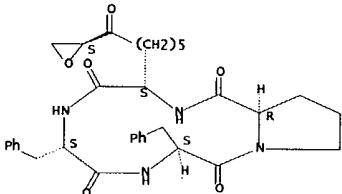
RN 133155-89-2 HCPLUS
 CN Cyclo[(2S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCPLUS
 CN Cyclo[(2S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:
 AVAILABLE FOR THIS 82 THERE ARE 82 CITED REFERENCES
 RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 17 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:780065 HCPLUS Full-text
 DOCUMENT NUMBER: 134:80604
 TITLE: Mechanism of cell cycle arrest caused by

histone deacetylase inhibitors in human carcinoma

cells
 AUTHOR(S): Kim, Young Bae; Ki, Se Won; Yoshida, Minoru; Horinouchi, Sueharu
 CORPORATE SOURCE: Department of Biotechnology, Graduate School of

University of Agriculture and Life Sciences, The
 SOURCE: Tokyo, Tokyo, 113-8657, Japan
 PUBLISHER: Journal of Antibiotics (2000), 53(10), 1191-1200
 DOCUMENT TYPE: CODEN: JANTAJ; ISSN: 0021-8820

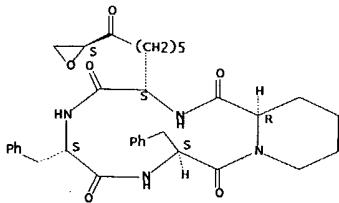
LANGUAGE: Japan Antibiotics Research Association
 Journal English

IT 133155-89-2, Trapoxin A
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (uses)

(mechanism of cell cycle arrest caused by histone deacetylase inhibitors in human carcinoma cells)

RN 133155-89-2 HCPLUS
 CN Cyclo[(2S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

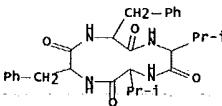
L6 ANSWER 18 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:772490 HCPLUS Full-text
DOCUMENT NUMBER: 133:340213
TITLE: Antibody conjugates for delivery of antimicrobial

toxins
INVENTOR(S): Carlyle, Wenda C.
PATENT ASSIGNEE(S): St. Jude Medical, Inc., USA
SOURCE: PCT Int. Appl., 63 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|-------|----------|-----------------|
| ----- | ----- | ----- | ----- |
| WO 2000064487 | A2 | 20001102 | WO 2000-US8389 |
| 20000330 <-- W: BR, JP, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | ----- | ----- | ----- |
| EP 1212094 | A2 | 20020612 | EP 2000-921508 |
| 20000330 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY | ----- | ----- | ----- |
| BR 2000009947 | A | 20021231 | BR 2000-9947 |
| 20000330 JP 2003523315 | T2 | 20030805 | JP 2000-613477 |

20000330
ZA 2001008639 A 20030730 ZA 2001-8639
20011019 PRIORITY APPLN. INFO.: US 1999-298638 A
19990423
20000330 IT 24181-12-2D, Fungisporin, antibody conjugates
RL: BAC (Biological activity or effector, except adverse); BPR
(biological process); BSU (Biological study, unclassified); THU (therapeutic use); BIOL (biological study); PROC (Process); USES (Uses), (antibody conjugates for delivery of antimicrobial toxins)
RN 24181-12-2 HCPLUS
CN Cyclo[D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl] (9CI) (CA INDEX NAME)



L6 ANSWER 19 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:628159 HCPLUS Full-text
DOCUMENT NUMBER: 133:223052
TITLE: Preparation of novel cyclic tetrapeptide

derivatives
INVENTOR(S): Horinouchi, Sueharu; Komatsu, Yasuhiko
PATENT ASSIGNEE(S): Japan Energy Corporation, Japan
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|--|-------|----------|-----------------|
| ----- | ----- | ----- | ----- |
| WO 2000052033 | A1 | 20000908 | WO 2000-JP1141 |
| 20000228 <-- W: AU, CA, NO, NZ, US, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, | ----- | ----- | ----- |

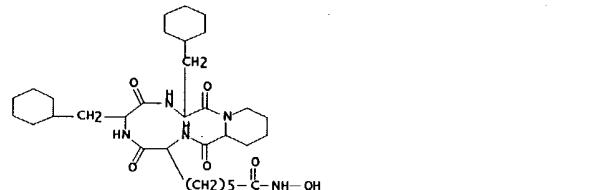
PT, SE
JP 2000256397 A2 20000919 JP 1999-53851
19990302 <--
CA 2362817 AA 20000908 CA 2000-2362817
20000228 <--
NZ 513983 A 20010928 NZ 2000-513983
20000228 <--
EP 1174438 A1 20020123 EP 2000-905381
20000228 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
NO 2001004225 A 20011017 NO 2001-4225
20010831 <--
US 2002120099 A1 20020829 US 2001-945237
20010831 <--
US 6825317 B2 20041130 US 6825317
ZA 2001007320 A 20020904 ZA 2001-7320
20010904
PRIORITY APPLN. INFO.: JP 1999-53851 A
19990302
WO 2000-JP1141 W

20000228
OTHER SOURCE(S): MARPAT 133:223052
IT 291313-22-9P, 291313-23-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel cyclic tetrapeptide derivs. as histone deacetylase inhibitors, MHC class I mol. expression promoters, and anticancer agents)
RN 291313-22-9 HCPLUS
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-(2S)-2-piperidinocarbonyl-(2S)-2-amino-8-(hydroxyamino)-8-oxoctanoyl] (9CI) (CA INDEX NAME)

RN 291313-23-0 HCPLUS
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-(2R)-2-piperidinocarbonyl-(2S)-2-amino-8-(hydroxyamino)-8-oxoctanoyl] (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE
FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT
L6 ANSWER 20 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:288753 HCPLUS Full-text
DOCUMENT NUMBER: 133:164306
TITLE: Cyclic tetrapeptide hydroxamic acids related to

AUTHOR(S): Tsutomu; Minoru
COPORATE SOURCE: Organic
Komatsu, Yasuhiko; Kim, Young Bae; Yoshida,

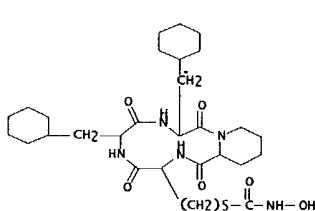
Institute for Fundamental Research of Chemistry, Kyushu University, Fukuoka, 812-8581, Japan
Peptides 1998, Proceedings of the European

Symposium, 25th, Budapest, Aug. 30-Sept. 4, 1998 (Meeting Date 1998, 832-833).

Editor(s): Bajusz, Sandor; Hudecz, Ferenc. Akademiai Kiado:

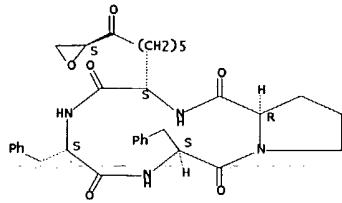
Budapest, Hung. CODEN: 68WKAY
Conference

DOCUMENT TYPE: English
LANGUAGE: IT 133155-90-SDP, Trapoxin B, analogs 221186-39-6P
221186-42-1P 221186-43-2P 221186-56-7P



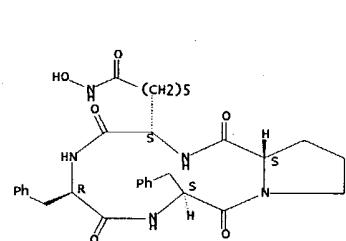
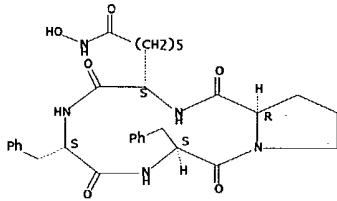
221186-58-9P 221186-59-0P
 RL: BAC (biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation of trapoxin B-related cyclic tetrapeptide hydroxamic acids as histone deacetylase inhibitors)
 RN 133155-90-5 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



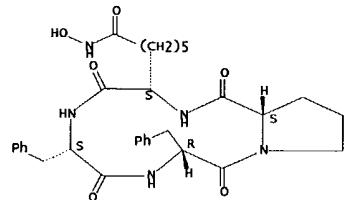
RN 221186-39-6 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221186-58-9 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

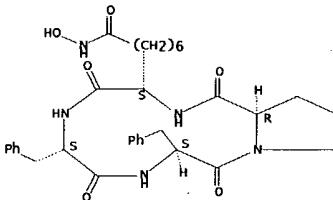


RN 221186-59-0 HCPLUS
 CN Cyclo[(N-methylglycyl)-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

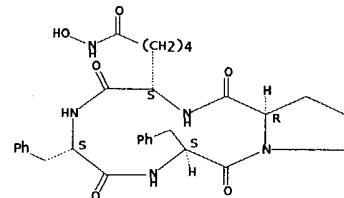
RN 221186-42-1 HCPLUS
 CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



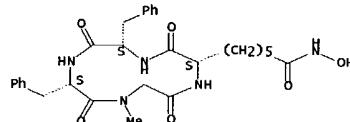
RN 221186-43-2 HCPLUS
 CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221186-56-7 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

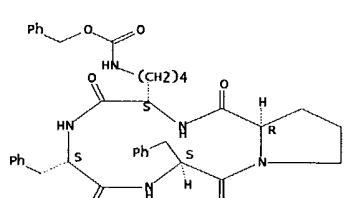
Absolute stereochemistry.



IT 221187-02-6P
 RL: SPN (synthetic preparation); PREP (Preparation) (preparation of trapoxin B-related cyclic tetrapeptide hydroxamic acids as histone deacetylase inhibitors)

RN 221187-02-6 HCPLUS
 CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L6 ANSWER 21 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:288752 HCPLUS Full-text
 DOCUMENT NUMBER: 133:135601

TITLE: Synthesis of cyclic tetrapeptide hydroxamic acids by

AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-Ya; Tsukamoto,

CORPORATE SOURCE: Makiko; urakawa, Toshihiro
 Institute for Fundamental Research of
 Organic Chemistry, Kyushu University, Fukuoka, 812-

8581, Japan

SOURCE: Peptide

1998 (

Editor(s):

Kiado: Bajusz, Sandor; Hudecz, Ferenc. Akademiai

Peptides 1998, Proceedings of the European Symposium, 25th, Budapest, Aug. 30-Sept. 4, 1999, Meeting Date 1998, 830-831.

Budapest, Hung.

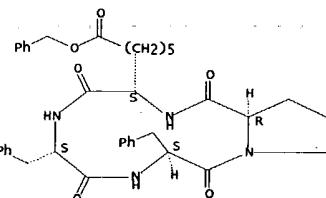
DOCUMENT TYPE: CODEN: 68WKAY Conference English

LANGUAGE: IT 221186-84-1P

RL: SPN (Synthetic preparation); PREP (Preparation) (synthesis of cyclic tetrapeptide hydroxamic acids by use of oxime resin)

RN 221186-84-1 HCPLUS CN cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:278087 HCPLUS Full-text
DOCUMENT NUMBER: 132:290775
TITLE: Promotion of self-renewal and improved gene transduction of hematopoietic stem cells by histone deacetylase inhibitors
INVENTOR(S): Lavau, Catherine P.; Young, Judy Carol; Hill, Beth Louise

PATENT ASSIGNEE(S):

SOURCE: Novartis A.-G., Switz.: Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.

DOCUMENT TYPE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2 Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

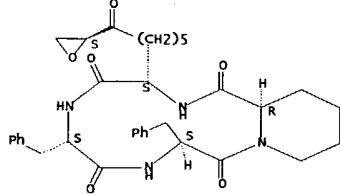
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|------|----------|-------------------|
| WO 2000023567 | A2 | 20000427 | WO 1999-EP7741 |
| 19991014 <-- | | | |
| WO 2000023567 | A3 | 20000727 | |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, NX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | CA 1999-2346152 |
| CA 2346152 | AA | 20000427 | CA 1999-2346152 |
| 19991014 <-- | | | |
| AU 9963393 | A1 | 20000508 | AU 1999-63393 |
| 19991014 <-- | | | |
| EP 1129175 | A2 | 20010905 | EP 1999-950725 |
| 19991014 <-- | | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | |
| JP 2002527101 | T2 | 20020827 | JP 2000-577279 |
| 19991014 | | | |
| PRIORITY APPLN. INFO.: 19981016 | | | US 1998-173633 A |
| 19990504 | | | US 1999-132476P P |
| 19991014 | | | WO 1999-EP7741 W |
| IT 133155-89-2, Trapoxin A | | | |
| RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) | | | |
| and (as histone deacetylase inhibitor; promotion of self-renewal and improved gene transduction of hematopoietic stem cells by histone | | | |

RN 133155-89-2 HCPLUS deacetylase inhibitors)

CN Cyclo[(2S)-2-amino-2-oxooxiranecoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 23 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:117073 HCPLUS Full-text
DOCUMENT NUMBER: 132:161275
TITLE: Cyclic tetrapeptide FR225497 from Helicoma, pharmaceutical composition, and use for inhibition of histone deacetylase and treatment of diseases

INVENTOR(S): Mori, Hiroaki; Abe, Fumie; Yoshimura, Seiji; Takase, Shigehiro; Hino, Motohiro

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 21 pp.

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|------|----------|-----------------|
| WO 2000008048 | A2 | 20000217 | WO 1999-JP4148 |
| 19990802 <-- | | | |
| WO 2000008048 | A3 | 20020815 | |
| W: BR, CA, CN, JP, KR, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL PT, SE | | | |
| PRIORITY APPLN. INFO.: AU 1998-5057 | A | | |

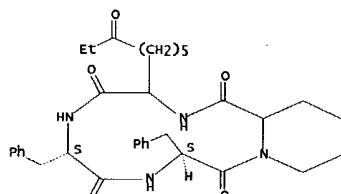
19980804

IT 258854-10-3P, FR 225497
RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cyclic tetrapeptide FR225497 from Helicoma, pharmaceutical composition, and use for inhibition of histone deacetylase and treatment of diseases)

RN 258854-10-3 HCPLUS
CN Cyclo[(2-amino-8-oxo-decanoyl-L-phenylalanyl-L-phenylalanyl-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Currently available stereo shown.



L6 ANSWER 24 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:198918 HCPLUS Full-text

DOCUMENT NUMBER: 132:148734
TITLE: Method and device for high-throughput screening of

INVENTOR(S): Haggarty, Stephen J.; Mitchison, Timothy J.; Kapoor, Tarun M.; Mayer, Thomas

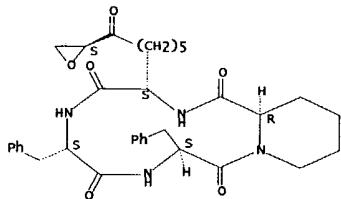
PATENT ASSIGNEE(S): President and Fellows of Harvard College, USA
SOURCE: PCT Int. Appl., 153 pp.

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

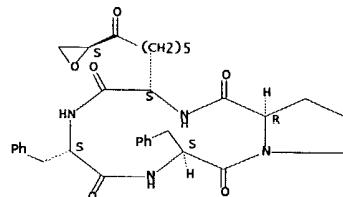
| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|------|----------|-----------------|
| WO 2000008048 | A2 | 20000217 | WO 1999-JP4148 |
| 19990802 <-- | | | |
| WO 2000008048 | A3 | 20020815 | |
| W: BR, CA, CN, JP, KR, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL PT, SE | | | |
| PRIORITY APPLN. INFO.: AU 1998-5057 | A | | |

| DATE | PATENT NO. | KIND | DATE | APPLICATION NO. |
|------------------------|--|------|----------|-------------------|
| 19990727 <-- | WO 2000007017 | A2 | 20000210 | WO 1999-US17046 |
| 19990727 <-- | WO 2000007017 | A3 | 20000504 | |
| MC, NL, | W: AU, CA, JP RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, PT, SE | | | |
| 19990727 <-- | AU 9953223 | A1 | 20000221 | AU 1999-53223 |
| PRIORITY APPLN. INFO.: | | | | US 1998-94305P P |
| 19980727 | | | | US 1999-131765P P |
| 19990430 | | | | US 1999-137039P P |
| 19990601 | | | | WO 1999-US17046 W |
| 19990727 | OTHER SOURCE(S): MARPAT 132:148734 IT 133155-89-2, Trapoxin A RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (mink lung cell DNA synthesis inhibition by, cytoblot assay detection of; method and device for high-throughput screening of mols. and compds. for their effects on biol. and chemical processes) RN 133155-89-2 HCPLUS CN Cyclo[(as,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME) | | | |

Absolute stereochemistry.



L6 ANSWER 25 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:683498 HCPLUS Full-text
DOCUMENT NUMBER: 132:196
TITLE: Inhibitors of histone deacetylase suppress the growth of MCF-7 breast cancer cells
AUTHOR(S): Schmidt, Kathrin; Gust, Ronald; Jung, Manfred
CORPORATE SOURCE: Institut Pharmazie, Abteilung Pharmazeutische Chemie, Freie Univ. Berlin, Berlin, D-14195, Germany
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1999), 332(10), 353-357
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-90-5, Trapoxin B
RL: BSU (biological study, unclassified); PNU (Preparation, unclassified); BIOL (biological study); PREP (Preparation)
(preparation of analog inhibitor of histone deacetylase suppressing growth of breast cancer)
RN 133155-90-5 HCPLUS
CN Cyclo[(as,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.

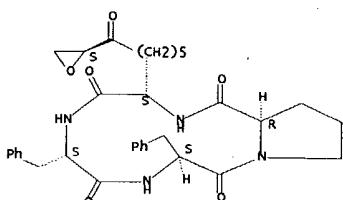


REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

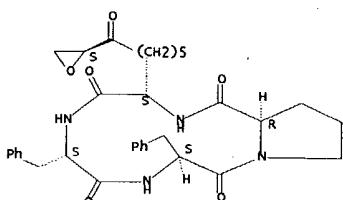
L6 ANSWER 26 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:655736 HCPLUS Full-text
DOCUMENT NUMBER: 132:131906

REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 27 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:578817 HCPLUS Full-text
DOCUMENT NUMBER: 132:137693
TITLE: Synthesis of a cyclic tetrapeptide related to trapoxin
AUTHOR(S): Ima-Izumi, Nishino, N.; Tomizaki, K.-Y.; Komori, M.;
CORPORATE SOURCE: K. Komatsu, Y.; Mimoto, T.
Organic Institute for Fundamental Research of Chemistry, Kyushu University, Fukuoka, 812-
8581, Japan
DOCUMENT TYPE: Peptide Science: Present and Future,
Journal Proceedings of the International Peptide Symposium, 1st,
LANGUAGE: Kyoto, Nov.
English 30-Dec. 5, 1997 (1999), Meeting Date 1997,
(uses) 536-538. Editor(s): Shimonishi, Yasutsugu.
Kluwer: Dordrecht, Neth.
DOCUMENT TYPE: Conference
LANGUAGE: CODEN: 68BYA5
IT 133155-90-5, Trapoxin B
RL: MSC (Miscellaneous)
(synthesis of cyclic tetrapeptides related to trapoxin B and cyl-1)
RN 133155-90-5 HCPLUS
CN Cyclo[(as,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.

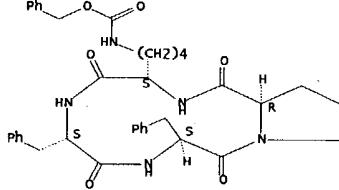


Absolute stereochemistry.



IT 221187-02-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of cyclic tetrapeptides related to trapoxin B and
 cyl-1)
 RN 221187-02-6 HCAPLUS
 CN Cyclo[N^6 -(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

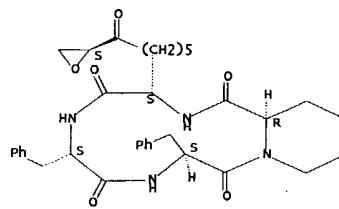
Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 28 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:353258 HCAPLUS Full-text
 DOCUMENT NUMBER: 131:130254
 TITLE: Synthesis of cyclic tetrapeptides containing
 non-natural imino acids
 AUTHOR(S): Nishino, Hidekazu; Tomizaki, Kin-Ya; Kato,
 Tamaki;
 Yasuhiko
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of
 Engineering, Kyushu Institute of Technology, Kitakyushu, 804-8550, Japan
 SOURCE: Peptide Science (1999), Volume Date 1998,
 35th, 189-192
 PUBLISHER: CODEN: PSCIFQ; ISSN: 1344-7661
 DOCUMENT TYPE: Protein Research Foundation
 LANGUAGE: English
 IT 133155-89-2, Trapoxin A
 RL: MSC (Miscellaneous)
 (synthesis of imino acid-containing cyclic tetrapeptides as
 inhibitors of histone deacetylase)
 RN 133155-89-2 HCAPLUS

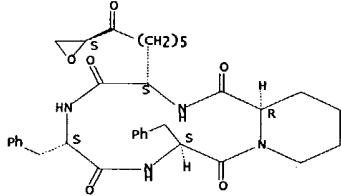
CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-
 phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

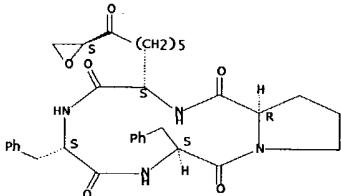
L6 ANSWER 29 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:353257 HCAPLUS Full-text
 DOCUMENT NUMBER: 131:130253
 TITLE: Synthesis and activity of cyl-1 analogs
 having
 AUTHOR(S): hydroxamic acid at side chain
 Tamaki; Tsukamoto, Makiko; Tomizaki, Kin-Ya; Kato,
 Nishino, Norikazu; Yoshida, Minoru; Komatsu,
 Yasuhiko
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of
 Engineering, Kyushu Institute of Technology, Kitakyushu, 804-8550, Japan
 SOURCE: Peptide Science (1999), Volume Date 1998,
 35th, 185-188
 PUBLISHER: CODEN: PSCIFQ; ISSN: 1344-7661
 DOCUMENT TYPE: Protein Research Foundation
 LANGUAGE: English
 IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
 RL: MSC (Miscellaneous)
 (synthesis of hydroxamic acid-containing cyl-1 analogs as
 inhibitors of histone deacetylase)
 RN 133155-89-2 HCAPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-
 phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCAPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

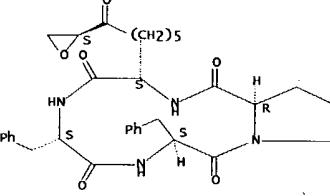


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 30 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:353256 HCAPLUS Full-text
 DOCUMENT NUMBER: 131:130252
 TITLE: Histone deacetylase inhibitors based on
 trapoxin B
 AUTHOR(S): Tomizaki, Kin-Ya; Kato, Tamaki; Nishino,
 Norikazu;
 Yasuhiko
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of
 Engineering, Kyushu Institute of Technology,

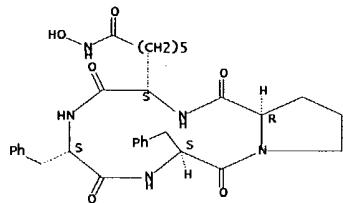
SOURCE: Kitakyushu, 804-8550, Japan
 Peptide Science (1999), Volume Date 1998,
 35th, 181-184
 PUBLISHER: CODEN: PSCIFQ; ISSN: 1344-7661
 DOCUMENT TYPE: Protein Research Foundation
 LANGUAGE: English
 IT 133155-90-5D, Trapoxin B, analogs contg. aminosuberic hydroxamic
 acid derivative 221186-39-6 221186-42-1
 221186-43-2 221186-56-7 221186-57-8
 221186-58-9 221186-59-0 221186-62-5
 234429-76-6
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); BIOL (Biological study)
 (preparation of hydroxamic analogs of trapoxin B as
 inhibitors of histone deacetylase)
 RN 133155-90-5 HCAPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



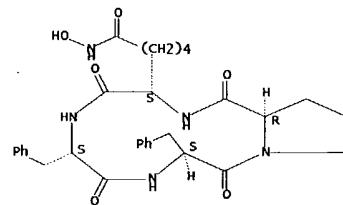
RN 221186-39-6 HCAPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-
 phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



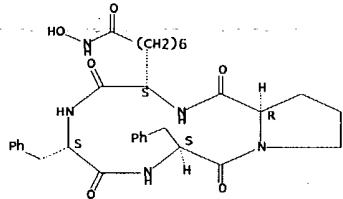
RN 221186-42-1 HCAPLUS
 CN Cyclo[(2s)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalananyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



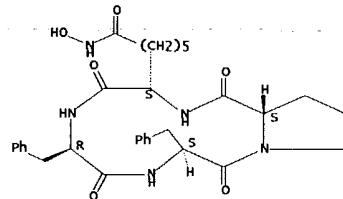
RN 221186-56-7 HCAPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalananyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



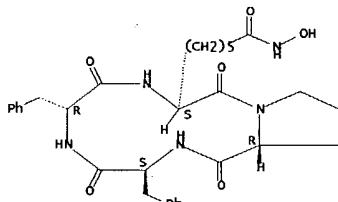
RN 221186-43-2 HCAPLUS
 CN Cyclo[(2s)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalananyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



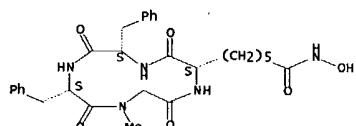
RN 221186-57-8 HCAPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



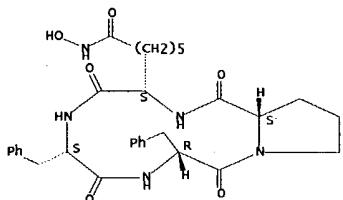
RN 221186-58-9 HCAPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalananyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



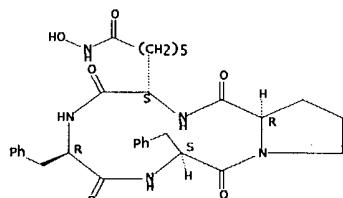
RN 221186-62-5 HCAPLUS
 CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalananyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



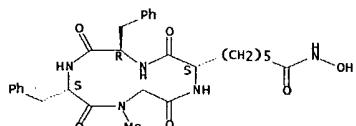
RN 221186-59-0 HCAPLUS
 CN Cyclo[N-methylglycyl-(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



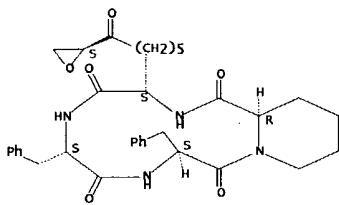
RN 234429-76-6 HCAPLUS
 CN Cyclo[N-methylglycyl-(2s)-2-amino-8-(hydroxymethyl)-8-oxooctanoyl-D-phenylalananyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE

L6 ANSWER 31 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:270685 HCPLUS Full-text
 DOCUMENT NUMBER: 131:98421
 TITLE: Cooperation between phosphorylation and acetylation
 AUTHOR(S): Espinosa, Estelle; Le Van Thai, Agathe; Christelle; Weber, Michel J.
 CORPORATE SOURCE: Laboratoire de Biologie Moléculaire Eucaryote, CNRS
 SOURCE: UPR 9006, Toulouse, 31062, Fr.
 PUBLISHER: Molecular and Cellular Biology (1999), 19(5), 3474-3484
 DOCUMENT TYPE: American Society for Microbiology Journal
 LANGUAGE: English
 IT 133155-89-2, Trapoxin A
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (Transcriptional effects of histone deacetylase inhibitors are mediated through the activation of MEK1 and of an H7-sensitive protein kinase in addition to protein phosphatases)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



REFERENCE COUNT: 86 THERE ARE 86 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

L6 ANSWER 33 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:184270 HCPLUS Full-text
 DOCUMENT NUMBER: 130:237885
 TITLE: Preparation of novel cyclic tetrapeptide derivatives
 CLASS-1 as histone deacetylase inhibitors and MHC molecule expression promoters
 INVENTOR(S): Nishino, Norikazu; Yoshida, Minoru; Sueharu; Komatsu, Yasuhiko; Mimoto, Tsutomu
 PATENT ASSIGNEE(S): Japan Energy Corporation, Japan
 SOURCE: PCT Int. Appl., 97 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|--|-------|----------|-----------------|
| DATE | ----- | ----- | ----- |
| WO 9911659 | A1 | 19990311 | WO 1998-JP3893 |
| 19980901 <-- W: AU, CA, JP, KR, NO, NZ, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE CA 2302451 | AA | 19990311 | CA 1998-2302451 |
| 19980901 <-- AU 9888885 | A1 | 19990322 | AU 1998-88885 |
| 19980901 <-- AU 732299 EP 1010705 | B2 | 20010412 | EP 1998-940649 |
| 19980901 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | A1 | 20000621 | EP 1998-940649 |

RE FORMAT

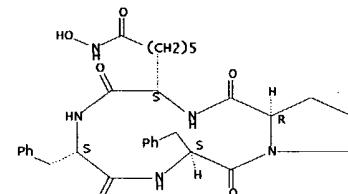
L6 ANSWER 32 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:254052 HCPLUS Full-text
 DOCUMENT NUMBER: 130:291581
 TITLE: Synergistic drug combinations for therapy of tumors
 INVENTOR(S): van der Bosch, Juergen; Rueller, Stephan; Schlaak, Max
 PATENT ASSIGNEE(S): Forschungszentrum Borstel Zentrum fuer Medizin und Biowissenschaften, Germany
 SOURCE: Ger. Offen., 20 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|---|-------|----------|---|
| DATE | ----- | ----- | ----- |
| DE 19744676 | A1 | 19990415 | DE 1997-19744676 |
| 19971010 <-- EP 919244 | A2 | 19990602 | EP 1998-250357 |
| 19981009 <-- EP 919244 | A3 | 20000329 | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO |
| PRIORITY APPLN. INFO.: 19971010 | | | DE 1997-19744676 |
| OTHER SOURCE(S): MARPAT 130:291581 | | | |
| IT 133155-90-5, Trapoxin B | | | |
| RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (therapeutic use); BIOL (Biological study); USES (synergistic drug combinations for therapy of tumors) | | | |
| RN 133155-90-5 HCPLUS | | | |
| CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME) | | | |

Absolute stereochemistry.

| NZ 503061 | A | 20010831 | NZ 1998-503061 |
|--|----|----------|----------------|
| 19980901 <-- JP 3494624 | B2 | 20040209 | JP 2000-508697 |
| 19980901 ZA 9808023 | A | 19990302 | ZA 1998-8023 |
| 19980902 <-- NO 2000001045 | A | 20000427 | NO 2000-1045 |
| 20000301 <-- US 6399568 | B1 | 20020604 | US 2000-486783 |
| 20000301 PRIORITY APPLN. INFO.: 19970902 | | | JP 1997-237481 |
| 19980313 | | | JP 1998-63270 |
| 19980901 OTHER SOURCE(S): MARPAT 130:237885 | | | A |
| IT 221186-39-6P 221186-42-1P 221186-43-2P 221186-50-1P 221186-51-2P 221186-56-7P 221186-57-8P 221186-58-9P 221186-59-0P 221186-62-5P | | | |
| RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPM (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); USES (Preparation); USES (Uses) (preparation of novel cyclic tetrapeptide derivs. as histone deacetylase inhibitors and MHC class-1 mol. expression promoters and anticancer agents) | | | |
| RN 221186-39-6 HCPLUS | | | |
| CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME) | | | |

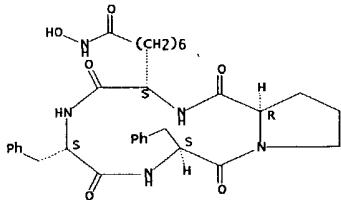
Absolute stereochemistry.



RN 221186-42-1 HCPLUS
 CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-9-oxononanoyl-L-

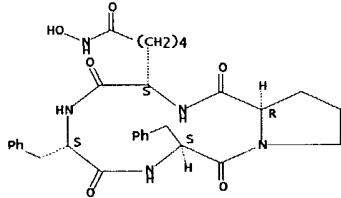
phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



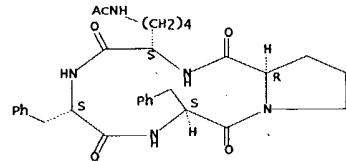
RN 221186-43-2 HCPLUS
CN Cyclo[(2s)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



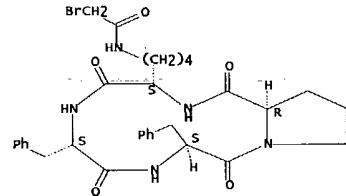
RN 221186-50-1 HCPLUS
CN Cyclo(N6-acetyl-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl)
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



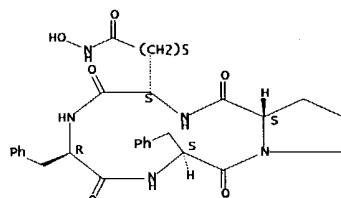
RN 221186-51-2 HCPLUS
CN Cyclo[N6-(bromoacetyl)-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



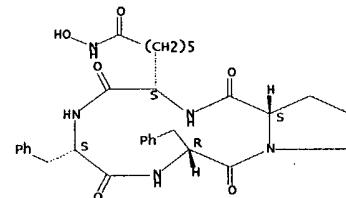
RN 221186-56-7 HCPLUS
CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



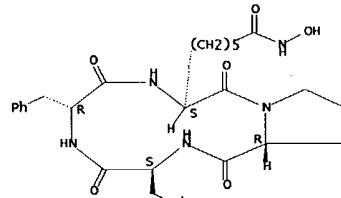
RN 221186-57-8 HCPLUS
CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



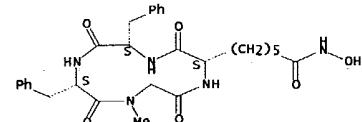
RN 221186-59-0 HCPLUS
CN Cyclo[N-methylglycyl-(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



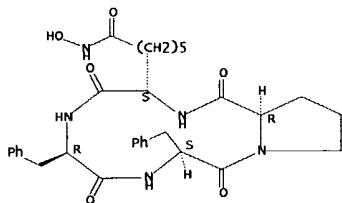
RN 221186-58-9 HCPLUS
CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



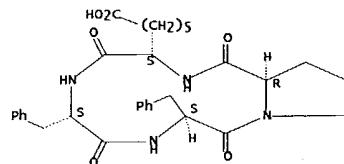
RN 221186-62-5 HCPLUS
CN Cyclo[(2s)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



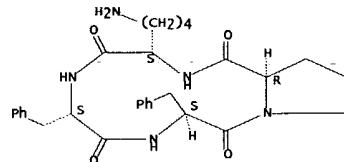
IT 221186-84-1P 221186-85-2P 221187-01-5P
 221187-02-6P 221187-17-3P
 RL: RCT (reactant); SPN (synthetic preparation); PREP
 (Preparation); RACT
 (Reactant or reagent)
 (preparation of novel cyclic tetrapeptide derivs. as histone
 deacetylase
 inhibitors and MHC class-1 mol. expression promoters and
 anticancer
 agents)
 RN 221186-84-1 HCPLUS
 CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-L-
 phenylalanyl-L-
 phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221187-01-5 HCPLUS
 CN Cyclo(L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl),
 monohydrochloride
 (9CI) (CA INDEX NAME)

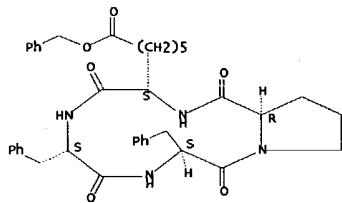
Absolute stereochemistry.



• HCl

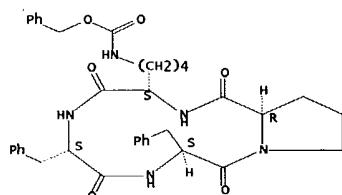
RN 221187-02-6 HCPLUS
 CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-
 phenylalanyl-D-
 prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



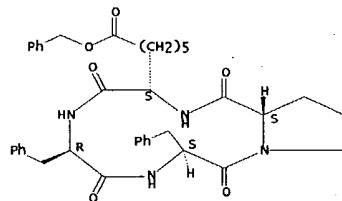
RN 221186-85-2 HCPLUS
 CN Cyclo[(2S)-2-amino-7-carboxyheptanoyl-L-phenylalanyl-L-
 phenylalanyl-D-
 prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221187-17-3 HCPLUS
 CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-D-
 phenylalanyl-L-
 phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



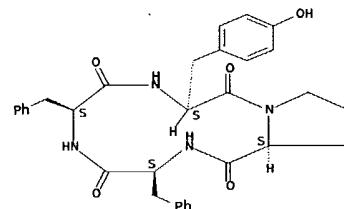
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE
 FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 34 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:795489 HCPLUS Full-text
 DOCUMENT NUMBER: 130:81890
 TITLE: Preparation of cyclic peptides and their
 uses as
 analgesics acting on μ -opioid receptor
 INVENTOR(S): Sasaki, Jun; Matsumura, Yasushi
 PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| DATE | PATENT NO. | KIND | DATE | APPLICATION NO. |
|-----------------|--|------------------|----------|-----------------|
| 19970528 | JP 10330398 | A2 | 19981215 | JP 1997-138870 |
| 19970528 | PRIORITY APPLN. INFO.: | | | JP 1997-138870 |
| 19970528 | OTHER SOURCE(S): | MARPAT 130:81890 | | |
| IT 218967-79-4P | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of cyclic peptides resistant to enzymic decomposition as morphine-like analgesics) | | | |
| 218967-79-4 | RN 218967-79-4 HCPLUS | | | |
| | CN Cyclo(L-phenylalanyl-L-phenylalanyl-L-tyrosyl-L-prolyl) (9CI) (CA INDEX NAME) | | | |

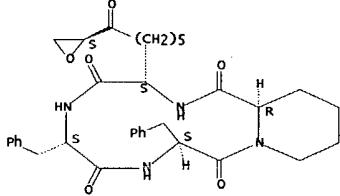
Absolute stereochemistry.



L6 ANSWER 35 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:235986 HCPLUS Full-text
 DOCUMENT NUMBER: 129:12363
 TITLE: Depudecin induces morphological reversion of
 transformed fibroblasts via the inhibition
 of histone
 deacetylase
 AUTHOR(S): Kwon, Ho Jeong; Owa, Takashi; Hassig,

Christian A.; Shimada, Junichi; Schreiber, Stuart L.
 CORPORATE SOURCE: Howard Hughes Medical Institute, Department
 of Chemistry and Chemical Biology, Harvard
 University, Cambridge, MA, 02138, USA
 SOURCE: Proceedings of the National Academy of
 Sciences of the United States of America (1998), 95(7),
 3356-3361
 PUBLISHER: National Academy of Sciences
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-89-2
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); BIOL (Biological study)
 (comparison with; depudecin induces morphol. reversion of
 transformed fibroblasts via the inhibition of histone deacetylase)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

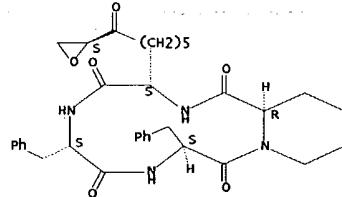
Absolute stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT
 L6 ANSWER 36 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:192372 HCPLUS Full-text
 DOCUMENT NUMBER: 128:239941
 TITLE: Histone deacetylase and its inhibitors.
 Trichostatin and trapoxin as novel bioprobes for histone

AUTHOR(S): Yoshida, Minoru; Horinouchi, Sueharu
 CORPORATE SOURCE: Grad. Sch. Agric. Life Sci., Univ. Tokyo, Tokyo, 113,
 SOURCE: Jikken Igaku (1998), 16(6), 781-785
 PUBLISHER: Yodobashi
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: Japanese
 IT 133155-89-2, Trapoxin A,
 RL: BAC (biological activity or effector, except adverse); BSU
 (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)
 (histone deacetylase and its inhibitors, trichostatin and trapoxin, as
 novel bioprobes for histone acetylation)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

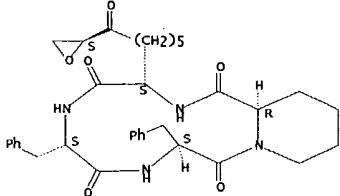


L6 ANSWER 37 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:180637 HCPLUS Full-text
 DOCUMENT NUMBER: 128:226265
 TITLE: Use of histone deacetylase inhibitors for
 treating fibrosis or cirrhosis
 INVENTOR(S): Geerts, Albert Emmanuel Corneille; Niki,
 Toshiro
 PATENT ASSIGNEE(S): Vrije Universiteit Brussel, Belg.
 SOURCE: Eur. Pat. Appl., 6 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

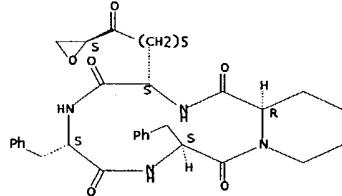
| PATENT NO. | KIND | DATE | APPLICATION NO. |
|--|-------|----------|------------------|
| DATE | ----- | ----- | ----- |
| EP 827742 | A1 | 19980311 | EP 1996-202460 |
| 19960904 <-- | | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | |
| IE, FI | | | |
| EP 827743 | A1 | 19980311 | EP 1997-202644 |
| 19970829 <-- | | | |
| EP 827743 | B1 | 20040616 | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | |
| IE, FI | | | |
| AT 269070 | E | 20040715 | AT 1997-202644 |
| 19970829 | | | |
| JP 10114681 | A2 | 19980506 | JP 1997-239547 |
| 19970904 <-- | | | |
| PRIORITY APPLN. INFO.: | | | EP 1996-202460 A |
| 19960904 | | | |
| IT 133155-89-2, Trapoxin A 133155-89-2D, Magnesium complexes 204780-21-2 204780-22-3 204780-23-4 204780-24-5 204780-25-6 204780-26-7 | | | |
| RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) | | | |
| (histone deacetylase inhibitors for treatment of fibrosis or cirrhosis) | | | |
| RN 133155-89-2 HCPLUS | | | |
| CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl- L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME) | | | |

Absolute stereochemistry.



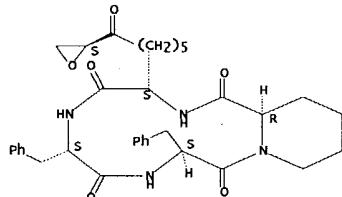
RN 133155-89-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 204780-21-2 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinocarbonyl], monosodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

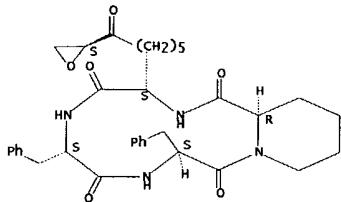


● Na

RN 204780-22-3 HCPLUS
 CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinocarbonyl], monopotassium salt (9CI) (CA INDEX NAME)

INDEX NAME)

Absolute stereochemistry.

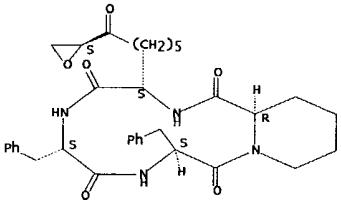


● K

RN 204780-23-4 HCPLUS

CN Cyclo[α S,2S]- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl, calcium salt (2:1) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 1/2 ca

RN 204780-24-5 HCPLUS

CN Cyclo[α S,2S]- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl, monoammonium salt (9CI) (CA)CRN 121-44-8
CMF C6 H15 N

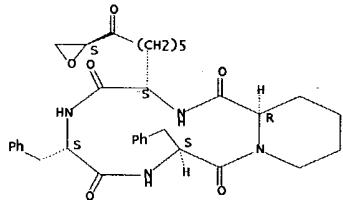
RN 204780-26-7 HCPLUS

CN Cyclo[α S,2S]- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl, Compd. with 2-aminoethanol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133155-89-2
CMF C34 H42 N4 O6

Absolute stereochemistry.



CM 2

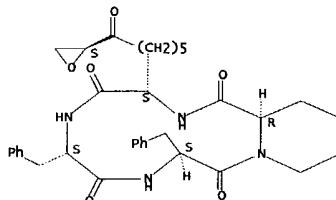
CRN 141-43-5
CMF C2 H7 N O

H2N-CH2-CH2-OH

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE
FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

INDEX NAME)

Absolute stereochemistry.



● NH3

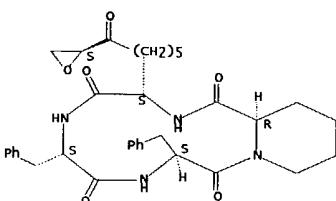
RN 204780-25-6 HCPLUS

CN Cyclo[α S,2S]- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl, compd. with N,N-diethylmethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133155-89-2
CMF C34 H42 N4 O6

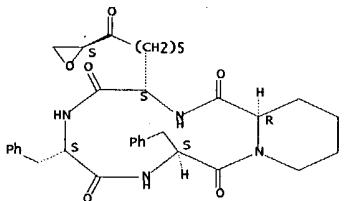
Absolute stereochemistry.



CM 2

L6 ANSWER 38 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:166323 HCPLUS Full-text
DOCUMENT NUMBER: 128:200453
TITLE: Cell cycle inhibitors
AUTHOR(S): Yoshida, Minoru
CORPORATE SOURCE: Grad. Sch. Agrobiol., Univ. Tokyo, Japan
SOURCE: Ketsueki, Men'eki, Shuyo (1996), 1(2), 184-191
CODEN: KMSHF6; ISSN: 1341-5824
PUBLISHER: Medikaru Rebyusha
DOCUMENT TYPE: Journal; General Review
LANGUAGE: Japanese
IT 133155-89-2, Taxopoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cell cycle inhibitors)
RN 133155-89-2 HCPLUS
CN Cyclo[α S,2S]- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

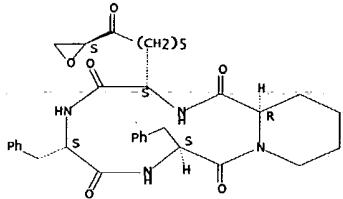
Absolute stereochemistry.



L6 ANSWER 39 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:113059 HCPLUS Full-text
DOCUMENT NUMBER: 128:229076
TITLE: Modulation of galectin-1 content in human
head and neck squamous carcinoma cells by sodium
butyrate
AUTHOR(S): Yuval; Sacks, Peter G.; Lotan, Dafna; Lotan, Reuben
CORPORATE SOURCE: Department of Tumor Biology, University of
Texas M.D. Anderson Cancer Center, Houston, TX, 77030,

USA International Journal of Cancer (1998),
 SOURCE: 75(2), 217-224
 CODEN: IJCNAW; ISSN: 0020-7136
 PUBLISHER: Wiley-Liss, Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-89-2, Trapoxin a
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); BIOL (Biological study)
 (butyrate modulation of galectin-1 in human head and neck
 squamous carcinoma cells)
 RN 133155-89-2 HCAPLUS
 CN Cyclo[(α 5,2S)- α -amino- η -oxo-oxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L6 ANSWER 40 OF 64 HCPLUS COPYRIGHT 2004 ACS ON STN
ACCESSION NUMBER: 1997:746618 HCPLUS Full-text
DOCUMENT NUMBER: 1/7:341784
TITLE: Cyclic tetrapeptides having antiprotozoal
activity
INVENTOR(S): Meinke, Peter T.; Rattray, Sandra J.;
Schmatz, Dennis
PATENT ASSIGNEE(S): M.
SOURCE: Merck and Co., Inc., USA
DOCUMENT TYPE: Brit. UK Pat. Appl., 27 pp.
LANGUAGE: CODEN: BAXXDU
FAMILY ACC. NUM. COUNT: Patent
1 English

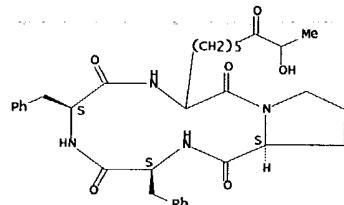
L6 ANSWER 41 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:650463 HCPLUS Full-text
DOCUMENT NUMBER: 127:315587
TITLE: Human histone deacetylase genes and their
protein interactions and uses for the inhibition of
cellular proliferation and drug screening
INVENTOR(S): Schreiber, Stuart L.; Taunton, Jack; Hassig,
Christian
Christian
PATENT ASSIGNEE(S): A.; Jamison, Timothy F.
President and Fellows of Harvard College,
USA;
Schreiber, Stuart L.; Taunton, Jack; Hassig,
Christian
Christian
SOURCE: A.; Jamison, Timothy F.
PCT Int. Appl., 159 pp.
DOCUMENT TYPE: CODEN: PIXX02
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: English
PATENT INFORMATION: 1

| PATENT NO. | KIND | DATE | APPLICATION NO. |
|--|------------------------------------|---|-----------------|
| DATE | | | |
| WO 9735990 19970326 <- | A2 | 19971002 | WO 1997-US5275 |
| WO 9735990 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, KZ, LC, PL, PT, UZ, VN, | A3 | 19980326 DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, | |
| | AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |

PATENT INFORMATION

19950902
 OTHER SOURCE(S): MARPAT 127:341784
 IT 198198-79-7 198198-80-0
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (cyclic tetrapeptides having antiprotozoal activity)
 RN 198198-79-7 HCPLUS
 CN Cyclo-(2-amino-9-hydroxy-8-oxodecanoyl-L-prolyl-L-phenylalanyl-L-
 phenylalanyl) (9CI) (CA INDEX NAME)

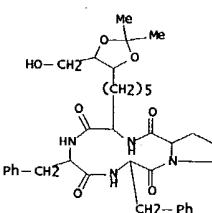
Absolute stereochemistry.



RN 198198-80-0 HCPLUS
CN Cyclo(2-amino-8-oxodecanoyl-L-prolyl-L-phenylalanyl-L-phenylalanyl) (9CI)
(CA INDEX NAME)

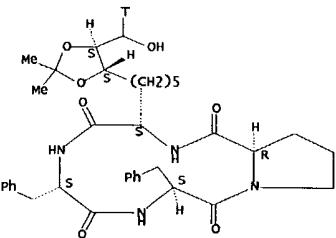
Absolute stereochemistry.

RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI,
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
 GA, GN, ML, MR, NE, SN, TD, TG
 US 6777217 B1 20040817 US 1996-624735
 19960326 AU 9729905 A1 19971017 AU 1997-29905
 19970326 <-
 PRIORITY APPLN. INFO.: US 1996-624735 A
 19960326 WO 1997-US5275 W
 19970326
 OTHER SOURCE(S): MARPAT 127:315587



IN 197631-11-1 HCAPLUS
CN Cyclo[...,(as,4S,5S)- α -amino-5-(hydroxymethyl- τ)-2,2-dimethyl-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]
(C91) (CA INDEX NAME)

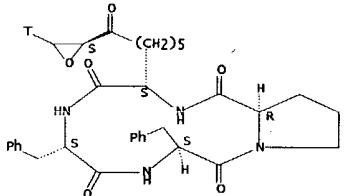
Absolute stereochemistry.



IT 183609-51-0P
 RL: SPN (synthetic preparation); PREP (Preparation)
 (chemical synthesis of tritylated trapoxin; human histone deacetylase genes and their protein interactions and uses for the inhibition of cellular proliferation and drug screening)

RN 183609-51-0 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

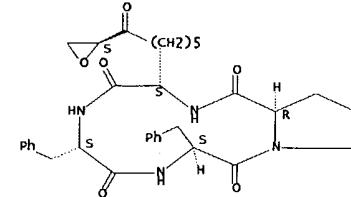
Absolute stereochemistry.



IT 133155-90-5D, Trapoxin B, analogs
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
 (human histone deacetylase genes and their protein interactions and uses for the inhibition of cellular proliferation and drug

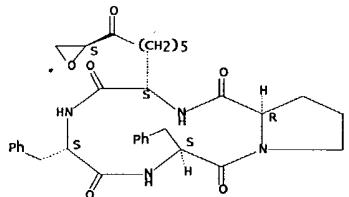
screening)
 RN 133155-90-5 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 42 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1997:342361 HCPLUS Full-text
 DOCUMENT NUMBER: 126:312246
 TITLE: Analogs of trichostatin A and trapoxin B as histone deacetylase inhibitors
 AUTHOR(s): Jung, Manfred; Hoffmann, Katharina; Brosch, Gerald;
 CORPORATE SOURCE: Loidl, Peter
 University of Munster, Munster, 48149, Germany
 SOURCE: Bioorganic & Medicinal Chemistry Letters (1997)
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-90-5PP, Trapoxin B, analogs
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation of trichostatin A and trapoxin B analogs as histone deacetylase inhibitors)
 RN 133155-90-5 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



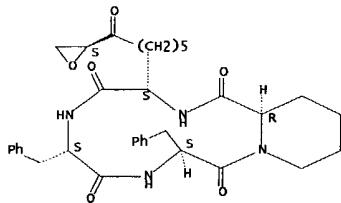
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES
 AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 43 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1997:342361 HCPLUS Full-text
 DOCUMENT NUMBER: 126:312246
 TITLE: Histone deacetylase as target for antiprotozoal identification method
 INVENTOR(S): Dulski, Paula M.; Gurnett, Anne M.; Myers, Robert W.; Rattray, Sandra J.; Schmatz, Dennis M.
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA; Dulski, Paula M.; Gurnett, Anne M.; Myers, Robert W.; Rattray, Sandra J.; Schmatz, Dennis M.
 SOURCE: PCT Int. Appl., 40 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

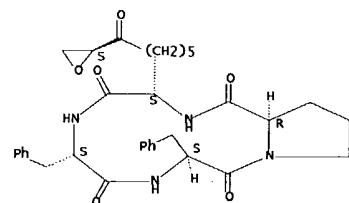
| PATENT NO. | KIND | DATE | APPLICATION NO. |
|--|-------|----------|-----------------|
| ----- | ----- | ----- | ----- |
| WO 9711366 | A1 | 19970327 | WO 1996-US14826 |
| 19960916 <-- | | | |
| W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, | | | |

NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN,
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
 MR, NE, SN, TD, TG
 CA 2231251 AA 19970327 CA 1996-2231251
 19960916 <-- AU 9669790 A1 19970409 AU 1996-69790
 19960916 <-- AU 712801 B2 19991118 EP 855024 A1 19980729 EP 1996-930894
 19960916 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
 JP 11514857 T2 19991221 JP 1996-512810
 19960916 <-- US 6428983 B1 20020806 US 1999-296834
 19990422 PRIORITY APPL. INFO.: US 1995-4065P P
 19950920
 19960213
 19960916
 19960920
 IT 133155-89-2
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (histone deacetylase as target for antiprotozoal agents, and antiprotozoal compound identification method)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 44 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1997:235308 HCPLUS Full-text
 DOCUMENT NUMBER: 126:327169
 TITLE: Natural born epoxides: synthetic and
 biological
 AUTHOR(S): studies of dynemicin A and trapoxin B
 CORPORATE SOURCE: Taunton, Jack
 SOURCE: Harvard Univ., Cambridge, MA, USA
 (1996) 163 pp. Avail. Univ. Microfilms
 Int., Order No. DA9710482
 From: Diss. Abstr. Int., B 1997, 57(10),
 6245
 DOCUMENT TYPE: Dissertation
 LANGUAGE: English
 IT 133155-90-5P, Trapoxin B
 RL: BSU (Biological study, unclassified); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation)
 (synthetic and biol. studies of epoxides dynemicin A and
 trapoxin B)
 RN 133155-90-5 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



L6 ANSWER 45 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1996:701123 HCPLUS Full-text
 DOCUMENT NUMBER: 125:339025
 TITLE: Metallothionein formation inducers for
 alleviation of
 AUTHOR(S): adverse effects of anticancer agents
 Masao; Naganuma, Akira; Imura, Nobumasa; Koyama,
 Yoshida, Shigemi
 PATENT ASSIGNEE(S): Meiji Seika Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO.
 DATE ----- ----- -----
 19950303 JP 08239326 A2 19960917 JP 1995-44535
 19950303 <-- PRIORITY APPLN. INFO.: JP 1995-44535
 OTHER SOURCE(S): MARPAT 125:339025
 IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
 RL: ADV (Adverse effect, including toxicity); BAC (Biological
 activity or
 effector, except adverse); BSU (Biological study, unclassified);
 THU (therapeutic use); BIOL (Biological study); USES (uses)
 (cyclic peptides as metallothionein formation inducers for
 alleviation
 of side effects of anticancer agents)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

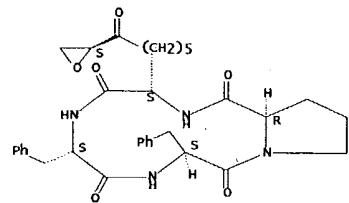
Absolute stereochemistry.

SOURCE: Journal of the American Chemical Society
 (1996), 118(43), 10412-10422
 PUBLISHER: CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: American Chemical Society
 LANGUAGE: Journal
 English
 IT 183609-96-3P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); SPN (Synthetic preparation); BIOL
 (Biological
 study); PREP (Preparation)
 (preparation of natural and modified trapoxins as useful
 reagents for
 exploring histone deacetylase function)
 RN 183609-96-3 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-
 3,5-di(iodo-125I)-L-tyrosyl-D-prolyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.

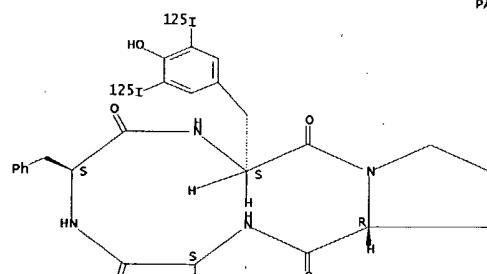
RN 133155-90-5 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-
 L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

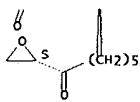
Absolute stereochemistry.



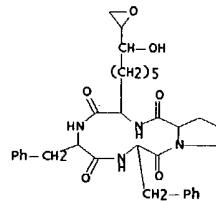
L6 ANSWER 46 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1996:616695 HCPLUS Full-text
 DOCUMENT NUMBER: 126:8585
 TITLE: Synthesis of Natural and Modified Trapoxins,
 Useful
 Reagents for Exploring Histone Deacetylase
 Function
 AUTHOR(S): Taunton, Jack; Collins, Jon L.; Schreiber,
 Stuart L.
 CORPORATE SOURCE: Howard Hughes Medical Institute, Harvard
 University,
 Cambridge, MA, 02138, USA



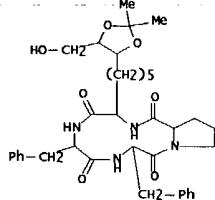
PAGE 1-A



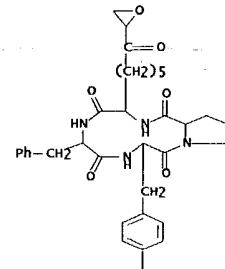
IT 183609-81-6P 183609-83-8P 183609-95-2P
 183610-00-6P 183610-01-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT
 (Reactant or reagent)
 (preparation of natural and modified trapoxins as useful
 reagents for
 exploring histone deacetylase function)
 RN 183609-81-6 HCPLUS
 CN Cyclo[(αS,4S,5S)-α-amino-η-hydroxymethyl-2,2-dimethyl-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



RN 183609-95-2 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-O-2-propenyl-L-tyrosyl-D-prolyl] (9CI) (CA INDEX NAME)

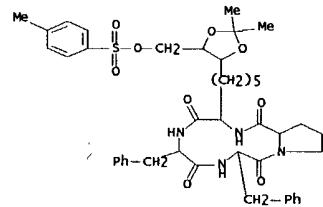


RN 183609-83-8 HCPLUS
 CN Cyclo[(αS,ηS,2S)-α-amino-η-hydroxymethyl-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



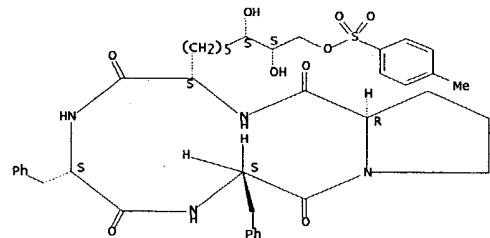
RN 183610-00-6 HCPLUS
 CN Cyclo[(αS,4S,5S)-α-amino-2,2-dimethyl-5-[[[(4-

methylphenyl)sulfonyl]oxy]methyl]-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



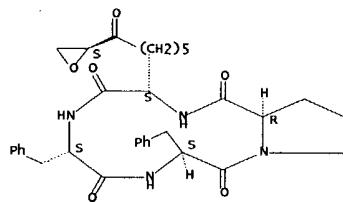
RN 183610-01-7 HCPLUS
 CN Cyclo[(2S,8S,9S)-α-amino-8,9-dihydroxy-10-[(4-methylphenyl)sulfonyl]oxy]decanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

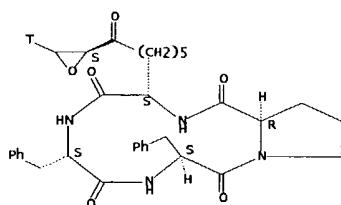


IT 133155-90-5P 183609-51-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of natural and modified trapoxins as useful
 reagents for
 exploring histone deacetylase function)
 RN 133155-90-5 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-

L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



RN 183609-51-0 HCPLUS
 CN Cyclo[(αS,2S)-α-amino-η-oxooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.

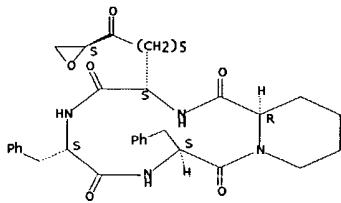


REFERENCE COUNT:
 AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L6 ANSWER 47 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1996:361850 HCPLUS Full-text
 DOCUMENT NUMBER: 125:50622
 TITLE: Histone hyperacetylating agents stimulate
 promoter activity of human choline acetyltransferase
 gene in

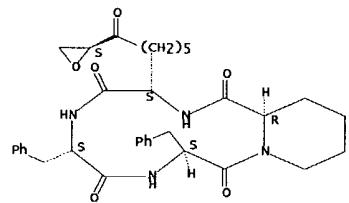
AUTHOR(S): Chireux, Maxime; Espinos, Estelle; Bloch, Stephane;
CORPORATE SOURCE: Laboratoire de Biologie Moleculaire
Eucaryote, Centre
route de National de la Recherche Scientifique, 118
SOURCE: Narbonne, Toulouse, 31062, Fr.
Molecular Brain Research (1996), 39(1,2), 68-78
CODEN: MBREE4; **ISSN:** 0169-328X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(histone hyperacetylating agents stimulate promoter activity of human choline acetyltransferase gene in transfection expts.)
RN 133155-89-2 HCPLUS
CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry:



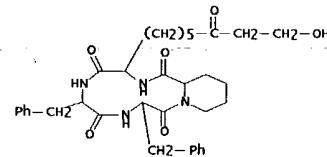
L6 ANSWER 48 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:333444 HCPLUS Full-text
DOCUMENT NUMBER: 125:27512
TITLE: The expression of a small fraction of cellular genes
hyperacetylation
AUTHOR(S): Verdin, Eric
CORPORATE SOURCE: Laboratory of Molecular Virology, Picower

IT 133155-89-2
RL: BUU (Biological study, unclassified); BIOL (Biological study)
(a mammalian histone deacetylase related to yeast transcriptional regulator Rpd3p)
RN 133155-89-2 HCPLUS
CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.



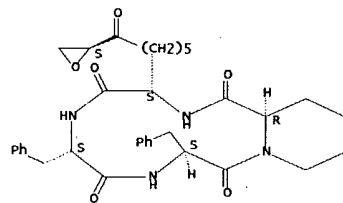
L6 ANSWER 50 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:683847 HCPLUS Full-text
DOCUMENT NUMBER: 123:106826
TITLE: Trichostatin A and trapoxin: Novel chemical probes for the structure and function of histone acetylation in chromatin
AUTHOR(S): Yoshida, Minoru; Horinouchi, Sueharu; Beppu, Teruhiko
CORPORATE SOURCE: Department Biotechnology, University Tokyo, Bunkyo,
SOURCE: 113, Japan
PUBLISHER: Bioassays (1995), 17(5), 423-30
DOCUMENT TYPE: Company of Biologists
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BUU (Biological study, unclassified); BIOL (Biological study)
(trichostatin A and trapoxin are chemical probes for the role of histone acetylation in chromatin structure and function)
RN 133155-89-2 HCPLUS

Institute USA
SOURCE: Gene Expression (1996), 5(4/5), 245-253
PUBLISHER: CODEN: GEEEXJ; ISSN: 1052-2166
DOCUMENT TYPE: Cognizant Communication Corp.
LANGUAGE: Journal
IT 133213-82-8
RL: BAC (biological activity or effector, except adverse); BUU (Biological study, unclassified); BIOL (Biological study)
(two new specific inhibitors of histone deacetylase, trichostatin A (TSA) and trapoxin (TPX), were used to probe the effect of histone hyperacetylation on gene expression)
RN 133213-82-8 HCPLUS
CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

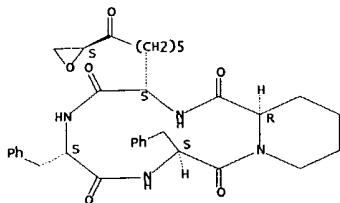


L6 ANSWER 49 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:243301 HCPLUS Full-text
DOCUMENT NUMBER: 124:309108
TITLE: A mammalian histone deacetylase related to the yeast transcriptional regulator Rpd3p
AUTHOR(S): Schreiber, Stuart
CORPORATE SOURCE: Cambridge,
SOURCE: MA, 02138, USA
PUBLISHER: Science (Washington, D. C.) (1996), 272(5260), 408-11
DOCUMENT TYPE: CODEN: SCIEAS; ISSN: 0036-8075
LANGUAGE: Journal
English

CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.

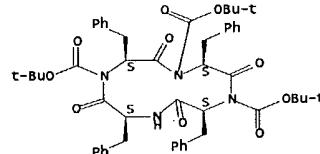


L6 ANSWER 51 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:322995 HCPLUS Full-text
DOCUMENT NUMBER: 122:103364
TITLE: Cell cycle inhibitors
AUTHOR(S): Yoshida, Minoru
CORPORATE SOURCE: Agric. Coll., Tokyo Univ., Tokyo, Japan
SOURCE: Medical Immunology (1994), 28(2), 297-307
PUBLISHER: CODEN: MEIME4; ISSN: 0910-3740
DOCUMENT TYPE: Kokusai Isho Shuppan
LANGUAGE: Japanese
IT 133155-89-2D, Trapoxin A, analogs
RL: BUU (Biological study, unclassified); BIOL (Biological study)
(cell cycle process or checkpoint inhibitors)
RN 133155-89-2 HCPLUS
CN Cyclo[(as,2s)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)
Absolute stereochemistry.

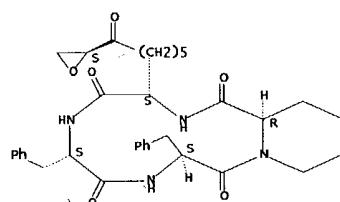


L6 ANSWER 53 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1994:164873 HCPLUS Full-text
 DOCUMENT NUMBER: 120:164873
 TITLE: How to perform small peptide cyclizations
 AUTHOR(S): Cavellier-Frontin, Florine; Achmad, Sadijah; Verducci, Jean; Jacquier, Robert; Pepe, Gerard
 CORPORATE SOURCE: URA-CNRS 468 Aminoacides et peptides, Universite Montpellier II, Place Eugene Bataillon, Montpellier, 34095/05, Fr.
 SOURCE: THEOCHEM (1993), 105(1-3), 125-30
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 153586-85-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclization of, effect of temporary protection on conformations for)
 RN 153586-85-7 HCPLUS
 CN Cyclo[L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl] (9CI) (CA INDEX NAME)

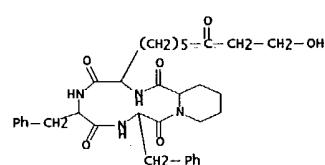
Absolute stereochemistry.



L6 ANSWER 53 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1993:573718 HCPLUS Full-text
 DOCUMENT NUMBER: 119:173718
 TITLE: Trapoxin, an antitumor cyclic tetrapeptide, is an irreversible inhibitor of mammalian histone deacetylase
 AUTHOR(S): Kijima, Masako; Yoshida, Minoru; Sugita, Kenji
 CORPORATE SOURCE: Fac. Agric., Univ. Tokyo, Tokyo, 113, Japan
 SOURCE: Journal of Biological Chemistry (1993), 268(30), 22429-35
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 133155-89-2
 RL: BIOL (biological study)
 (histone deacetylase inhibition by, cell division and differentiation inhibition in relation to)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxo-oxiranecoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.

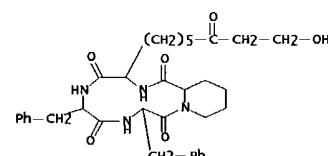


IT 133213-82-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of histone deacetylase response to)
 RN 133213-82-8 HCPLUS
 CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

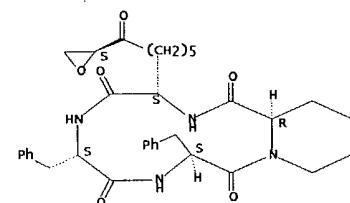


L6 ANSWER 54 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1992:439924 HCPLUS Full-text
 DOCUMENT NUMBER: 117:39924
 TITLE: A novel tetracyclic peptide, trapoxin, induces phenotypic change from transformed to normal sis-oncogene-transformed NIH3T3 cells
 AUTHOR(S): Yoshida, Hiroshi; Sugita, Kenji
 CORPORATE SOURCE: Dep. Microbiol., Shionogi and Co. Ltd., Osaka, 553, Japan
 SOURCE: Japanese Journal of Cancer Research (1992), 83(4), 324-8
 DOCUMENT TYPE: Journal

LANGUAGE: English
 IT 133213-82-8
 RL: BIOL (biological study)
 (neoplastic and transformation of NIH3T3 cells response to, structure in relation to)
 RN 133213-82-8 HCPLUS
 CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)



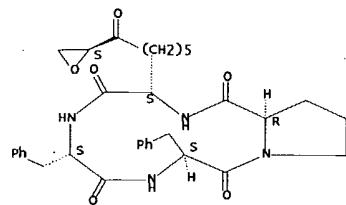
IT 133155-89-2 133155-90-5
 RL: BIOL (biological study)
 (phenotypic change from transformed to normal in sis oncogene-transformed NIH3T3 cells induction by, structure in relation to)
 RN 133155-89-2 HCPLUS
 CN Cyclo[(as,2s)- α -amino- η -oxo-oxiranecoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



RN 133155-90-5 HCPLUS

CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 55 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:512813 HCPLUS Full-text

DOCUMENT NUMBER: 115:112813

TITLE: Cyclic tetrapeptides having detransforming activity

INVENTOR(S): Sugita, Kenji; Itazaki, Hiroshi; Matsumoto, Koichi;

PATENT ASSIGNEE(S): Kawamura, Yoshimi; Shionogi and Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 20 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| DATE | PATENT NO. | KIND | DATE | APPLICATION NO. |
|--------------|---|------|----------|-----------------|
| 19900629 <-- | EP 406725 | A1 | 19910109 | EP 1990-112472 |
| 19900629 <-- | EP 406725 | B1 | 19940316 | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | |
| 19890630 <-- | JP 03034991 | A2 | 19910214 | JP 1989-170930 |
| 19890630 <-- | US 5112944 | A | 19920512 | US 1990-536764 |
| 19900612 <-- | AT 102955 | E | 19940415 | AT 1990-112472 |
| 19900629 <-- | ES 2053018 | T3 | 19940716 | ES 1990-112472 |
| 19900629 <-- | | | | |

PRIORITY APPLN. INFO.: 19890630

JP 1989-170930

A

EP 1990-112472

A

19900629

OTHER SOURCE(S): MARPAT 115:112813

IT 133155-89-2P, RF 1023A 133155-90-5P, RF 1023B

RL: BMF (Biological manufacture); BIOL (Biological study);

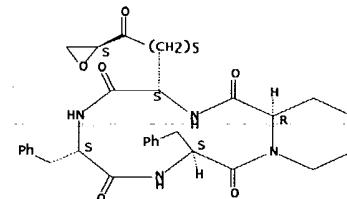
PREP (Preparation)

(manufacture of, with Helicoma ambiens, as oncogenic transformation and cell growth inhibitor)

RN 133155-89-2 HCPLUS

CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

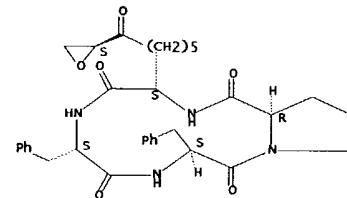
Absolute stereochemistry.



RN 133155-90-5 HCPLUS

CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 56 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:492943 HCPLUS Full-text

DOCUMENT NUMBER: 115:92943

TITLE: Structure of a new cyclotetrapeptide

TRAPOXIN A
AUTHOR(S): Nakai, Hiroshi; Nagashima, Kazuo; Itazaki, Hiroshi

CORPORATE SOURCE: shionogi Res. Lab., shionogi and Co., Ltd., Osaka,

SOURCE: 553, Japan
Acta Crystallographica, Section C: Crystal Structure

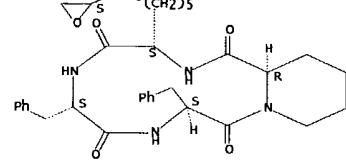
DOCUMENT TYPE: Communications (1991), C47(7), 1496-9
Journal
LANGUAGE: English

IT 133155-89-2, Trapoxin A
RL: PRP (Properties)
(crystal and mol. structure of)

RN 133155-89-2 HCPLUS

CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 57 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:159294 HCPLUS Full-text

DOCUMENT NUMBER: 114:159294

TITLE: Isolation and structural elucidation of new cyclotetrapeptides, trapoxins A and B, having

detransformation activities as antitumor agents
AUTHOR(S): Itazaki, Hiroshi; Nagashima, Kazuo; Sugita, Kenji;

Yukio;

Nobuo; et al.

CORPORATE SOURCE: Osaka,
shionogi Res. Lab., shionogi and Co., Ltd.,

SOURCE: 553, Japan
Journal of Antibiotics (1990), 43(12), 1524-32

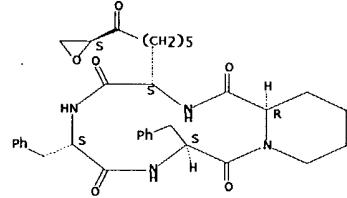
CODEN: JANTAJ; ISSN: 0021-8820

DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2P 133155-90-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
Helioma ambiens)

RN 133155-89-2 HCPLUS

CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

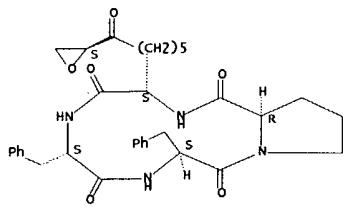
Absolute stereochemistry.



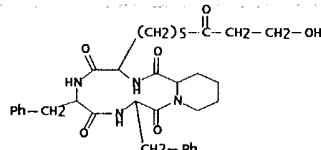
RN 133155-90-5 HCPLUS

CN Cyclo[(α S,2S)- α -amino- η -oxooxiraneoctanoyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

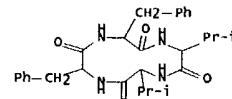


IT 133213-82-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 133213-82-8 HCPLUS
 CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinocarbonyl] (9CI) (CA INDEX NAME)

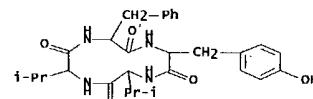


L6 ANSWER 58 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1980:406071 HCPLUS Full-text
 DOCUMENT NUMBER: 93:6071
 TITLE: Gushing-inducing peptides in beer produced
 by
 AUTHOR(S): Penicillium chrysogenum
 Kawasaki, Kitabatake, Katsuaki; Fukushima, Shuji;
 CORPORATE SOURCE: Ichiro; Amaha, Mikio
 Cent. Res. Lab., Asahi Brew. Ltd., Tokyo,
 SOURCE: Peptide Chemistry (1980), volume Date 1979,
 17th, 7-12
 DOCUMENT TYPE: CODEN: PECHDP; ISSN: 0388-3698
 LANGUAGE: Journal
 English

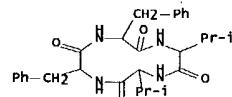
IT 24181-12-2
 RL: BIOL (Biological study)
 (beer gushing caused by, from *Penicillium chrysogenum*)
 RN 24181-12-2 HCPLUS
 CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



IT 73787-51-6 73804-19-0
 RL: BIOL (Biological study)
 (beer gushing induction by)
 RN 73787-51-6 HCPLUS
 CN Cyclo(D-phenylalanyl-L-tyrosyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)

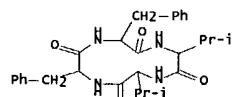


RN 73804-19-0 HCPLUS
 CN Cyclo(L-phenylalanyl-D-phenylalanyl-L-valyl-D-valyl) (9CI) (CA INDEX NAME)



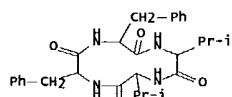
L6 ANSWER 59 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1978:23373 HCPLUS Full-text
 DOCUMENT NUMBER: 88:23373

TITLE: Synthesis of biologically active cyclic
 peptides and
 depsiptides by the phosphite method
 AUTHOR(S): Rothe, M.; Kreiss, W.
 CORPORATE SOURCE: Org.-Chem. Inst., Univ. Mainz, Mainz, Fed.
 SOURCE: Rep. Ger.
 Pept., Proc. Eur. Pept. Symp., 14th (1976),
 71-8. Editor(s): Loffet, Albert. Editions
 Univ.
 Bruxelles: Brussels, Belg.
 DOCUMENT TYPE: CODEN: 36PZAV
 Conference
 LANGUAGE: English
 IT 24181-12-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, by phosphite method)
 RN 24181-12-2 HCPLUS
 CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



L6 ANSWER 61 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1961:20839 HCPLUS Full-text
 DOCUMENT NUMBER: 55:20839
 ORIGINAL REFERENCE NO.: 55:4102g-i
 TITLE: Monolayers of some cyclic peptides.
 Fungisporin and

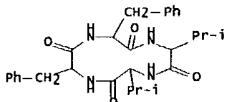
AUTHOR(S): Ikeda, Shioichi; Isemura, Toshizo
 CORPORATE SOURCE: Univ. Osaka
 SOURCE: Bulletin of the chemical society of Japan (1960), 33, 753-60
 DOCUMENT TYPE: CODEN: BCSJA8; ISSN: 0009-2673
 LANGUAGE: Journal
 English
 IT 24181-12-2, Fungisporin
 (films (unimol.) of)
 RN 24181-12-2 HCPLUS
 CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



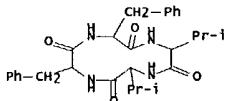
L6 ANSWER 62 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1960:97263 HCPLUS Full-text
 DOCUMENT NUMBER: 54:97263
 ORIGINAL REFERENCE NO.: 54:18379g-h

TITLE: Fungisporin. III. The structure of
 Fungisporin.
 AUTHOR(S): Miyao, Kohei
 CORPORATE SOURCE: Univ. Tokyo
 SOURCE: Bulletin of the Agricultural chemical
 Society of Japan (1960), 24, 23-30
 DOCUMENT TYPE: CODEN: BACOAV; ISSN: 0375-8397
 Journal

LANGUAGE: unavailable
 IT 24181-12-2, Fungisporin
 (structure of)
 RN 24181-12-2 HCPLUS
 CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA
 INDEX NAME)

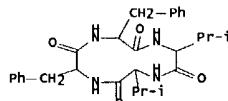


L6 ANSWER 63 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1956:90024 HCPLUS Full-text
 DOCUMENT NUMBER: 50:90024
 ORIGINAL REFERENCE NO.: 50:16962b-c
 TITLE: Fungisporin, II
 AUTHOR(S): Miyao, Kohei
 CORPORATE SOURCE: Univ. Tokyo
 SOURCE: Bulletin of the Agricultural Chemical Society of Japan
 (1955), 19, 86-91
 DOCUMENT TYPE: CODEN: BACOAV; ISSN: 0375-8397
 LANGUAGE: Journal
 IT 24181-12-2, Fungisporin
 (preparation of)
 RN 24181-12-2 HCPLUS
 CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA
 INDEX NAME)



L6 ANSWER 64 OF 64 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1953:55348 HCPLUS Full-text
 DOCUMENT NUMBER: 47:55348
 ORIGINAL REFERENCE NO.: 47:94061, 9407a-b
 TITLE: Fungisporin. I

AUTHOR(S): Sumiki, Yusuke; Miyao, Kohei
 CORPORATE SOURCE: Univ. Tokyo
 SOURCE: Nippon Nogei Kagaku Kaishi (1952), 26, 27-31
 CODEN: NNKAA; ISSN: 0002-1407
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 IT 24181-12-2, Fungisporin
 (preparation of)
 RN 24181-12-2 HCPLUS
 CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA
 INDEX NAME)



=> DIS HIST

(FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004)

FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004
 L1 STRUCTURE uploaded
 L2 6 S L1 SAM
 L3 147 S L1 FUL

FILE 'HCPLUS, BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004
 L4 96 S L3
 L5 96 DUP REM L4 (0 DUPLICATES REMOVED)
 L6 64 L4 AND PD<20020207

=>

=>
 Executing the logoff script...

=> LOG H

| COST IN U.S. DOLLARS | SINCE FILE |
|--|------------|
| TOTAL | ENTRY |
| SESSION | |
| FULL ESTIMATED COST | 242.96 |
| 462.19 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE |
| TOTAL | |

SESSION ENTRY
 CA SUBSCRIBER PRICE
 3.96

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 08:30:17 ON 08 DEC 2004